

Exhibit B



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #: Project Number

REV	DESC	DATE	PHASE				DATE
			PRE	SD	DD	CD	

311 WOODY ST REMODEL

PROJECT TEAM

OWNER

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STRUCTURAL

NO STRUCTURAL WORK

MECHANICAL

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1
60.00 3D COVER

VICINITY MAP



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APPLICABLE CODES

CONTRACTOR MUST COMPLY WITH RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AND SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL CONSTRUCTION SAFETY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES. ALL FEES, TAKES, PERMITS, APPLICATIONS AND CERTIFICATES OF INSPECTION AND THE FILING OF ALL WORK WITH GOVERNMENTAL AGENCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS PROJECT SHALL COMPLY WITH THESE CODES, OR LATER EDITIONS AS REQUIRED BY AUTHORITY HAVING JURISDICTION:

2021	INTERNATIONAL BUILDING CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	UNIFORM PLUMBING CODE
2020	NATIONAL ELECTRIC CODE
2021	INTERNATIONAL ENERGY CONSERVATION CODE

PROJECT OVERVIEW

DESCRIPTION:	- TENANT IMPROVEMENT TO EXISTING OFFICE BUILDING (NO CHANGE IN USE). RELOCATE HVAC UNITS, RE-ROOF, AND MISCELLANEOUS FINISH, ACCESSIBILITY AND ELECTRICAL UPDATES.
GEOCODE:	- 04-2200-22-2-35-04-0000
SITE SF:	- 5052 SF (116 ACRE)
BUILDING TYPE:	- V-B (ASSUMED)
BUILDING OCCUPANCY:	- B OCCUPANCY
SPRINKLERED:	- NO
EXISTING SF:	- 2,800 SF (1,400 SF PER FLOOR, NOT INCLUDING BASEMENT)
STORIES:	- 2

BID ALTERNATES

BID ALT #1: NO PLUMBING AT KITCHENETTE - CABINETS AND ELECTRICAL ONLY
BID ALT #2: REPLACE ALL ACT TILE IN PROJECT WITH ACT-2
BID ALT #3: REPAIR/REPLACE GUARDRAIL AT STAIR

Bid Alt #1: Sink and associated plumbing in break room countertop

GENERAL NOTES

- USE WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS. DIMENSIONS ARE TO GRID, FACE OF (N) STUD/COL, FACE OF (E) FINISH, OR DOOR/WINDOW OPENINGS. DIMENSIONS TO OPENINGS ARE NOMINAL. VERIFY ALL OPENINGS WITH ROUGH OPENING REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NEW MATERIALS (U.N.O.) ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED, AND IN COMPLIANCE WITH BUILDING REGULATIONS AND/OR GOVERNMENTAL LAWS, STATUTES OR ORDINANCES CONCERNING THE USE OF UNION LABOR.
- EACH TRADE WILL PROCEED IN A FASHION THAT WILL NOT DELAY THE TRADES FOLLOWING THEM.
- CONSTRUCTION DOCUMENTS SHOW THE DESIGN INTENT OF THE PROJECT & MAY NOT SHOW MINOR DETAILS OF PROPOSED INSTALLATION. THE INCLUSION OF THESE MINOR DETAILS IS IMPLIED TO PROVIDE A COMPLETE PROJECT & ARE TO BE INCLUDED AS A PART OF A BID.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT EXISTING CONDITIONS PRIOR TO PROCEEDING WITH EACH INSTALLATION OR PART OF THE WORK. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING.
- ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE, TRUE AND IN PROPER ALIGNMENT.
- THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE ENGINEER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE COMPLETION OF ALL SHEAR WALLS, ROOF AND FLOOR DIAPHRAGMS AND FINISH MATERIALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS AND/OR SPECIFICATIONS, INCLUDING ALL ADDENDA AND CONSTRUCTION DOCUMENT MODIFICATIONS, TO THE TRADES UNDER THEIR JURISDICTION.
- THE CONTRACTOR IS TO COORDINATE THE INSTALLATION OF MATERIALS & WORK OF OTHERS WHO ARE NOT SUB-CONTRACTORS TO THE G.C., YET ARE REQUIRED IN PROVIDING A COMPLETED PROJECT. AREAS OF WORK REQUIRING COORDINATION INCLUDE BUT ARE NOT LIMITED TO THOSE INDICATED AS N.I.C. ON THE CONSTRUCTION DOCUMENTS.
- IN THE CASE OF CONTRADICTIONS BETWEEN DRAWINGS OR BETWEEN DRAWINGS & SPECIFICATIONS, ASSUME THE MORE COSTLY APPROACH FOR BIDDING PURPOSES. BRING ALL CONTRADICTIONS TO THE ATTENTION OF THE ARCHITECT
- 3-D VIEWS MAY BE USED THROUGHOUT THE CONSTRUCTION DOCUMENTS. 3-D VIEWS ARE SHOWN TO CLARIFY CONDITIONS THAT CANNOT BE SHOWN IN OTHER VIEWS. 3-D VIEWS MAY NOT SHOW ALL DETAILS REQUIRED TO COMPLETE THE AREA. REFER TO DETAILS AT ADJACENT AREAS AS NECESSARY OR ASK THE ARCHITECT PRIOR TO BIDDING.
- ALL ROOF PENETRATIONS SHALL BE FLASHED TO PREVENT MOISTURE PENETRATION AND FINISHED TO MATCH ADJACENT SURFACES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR LOCATIONS AND VERIFY WITH EACH TRADE SUBCONTRACTOR.
- ALL RECEPTACLES TO BE ABOVE 15" A.F.F. AND NO HIGHER THAN 48" A.F.F.
- ALL THERMOSTATS - TOP NO HIGHER THAN 48" A.F.F.
- PROVIDE WALL BLOCKING AT ALL CABINETS, ACCESSORIES EQUIPMENT, OWNER FURNISHINGS, AND ALL BATHROOMS FOR GRAB BAR INSTALLATION.
- SET DOOR ROUGH OPENINGS 4" FROM F.O.S. TYP. U.N.O. CENTER DOOR ALONE LEAVE CLOSEST U.N.O.
- DASHED LINES AT DOORS, APPLIANCES AND PLUMBING FIXTURES INDICATE CODE REQUIRED CLEAR FLOOR SPACE FOR ACCESSIBILITY. CONTRACTOR TO COORDINATE WITH SUBCONTRACTORS AND FRAMING.
- INSTALL 3 1/2" SOUND BATT INSULATION IN WALLS, CEILINGS AND/OR FLOORS BETWEEN BATHROOMS AND HABITABLE SPACE ADJACENT TO, ABOVE OR BELOW, SEE WALL TYPES.
- ALL PLUMBING FIXTURES TO BE OF WATER SAVING TYPE (LOW FLOW, AERATORS, ETC.).
- UTILITY DEVICES, PANELS, METERS, ETC. TO BE REVIEWED BY CONTRACTOR FOR GENERAL COMPLIANCE WITH CODE AND CAPACITY FOR RENNOVATION SCOPE. NOTIFY ARCHITECT OF ANY DISCREPANCIES OR INADEQUACIES.
- THE OWNER SHALL SECURE AND PAY FOR ALL BUILDING PERMITS FEES.
- CONSTRUCTION PRACTICES, MEANS AND METHODS EMPLOYED FOR THIS PROJECT SCOPE TO COMPLY WITH APPLICABLE CODES REFERENCED HERE IN.
- EACH TRADE IS RESPONSIBLE FOR COMPLYING WITH THEIR RESPECTIVE GOVERNING CODES.
- ALL EXTERIOR WALLS TO BE 2X6 WD STUDS AT 16" O.C. AND INTERIOR WALLS TO BE 2X4 WD STUDS AT 16" O.C. U.N.O. PLUMBING WALLS TO BE 2X6 U.N.O. CONTRACTOR SHALL PROVIDE BACKING/BLOCKING AS REQUIRED FOR ALL WALL MOUNTED EQUIPMENT, FURNISHINGS, ETC.
- STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, DUCTS ETC UNLESS SPECIFICALLY NOTED, DETAILED OR APPROVED IN WRITING BY ARCHITECT/ENGINEER.
- ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- THESE DRAWINGS ARE INTENDED TO BE PRINTED IN COLOR. NOT PRINTING IN COLOR COULD RESULT IN LOSS OF INFORMATION THAT MAY BE CRITICAL FOR PROPER EXECUTION OF THE WORK.
- PROVIDE MOLD/MOISTURE RESISTANT GWB AT WET LOCATIONS INCLUDING BATHROOMS, LAUNDRY, KITCHEN + JANITOR ROOMS.
- INSTALL WATER RESISTANT GWB TO 7" BEHIND TUB & SHOWER ENCLOSURES AND TO 4" BEHIND TOILETS, UNO. SEE ASSEMBLY SCHEDULES. UNO.
- REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL WALL FINISHES
- ALL SOUND CONTROL SYSTEMS (INCLUDING ALL STC-RATED WALL AND FLOOR-CEILING ASSEMBLIES) SHALL BE AIRTIGHT. RECESSED WALL FIXTURES, SUCH AS MEDICINE CABINETS OR ELECTRICAL AND LOW-VOLTAGE DEVICES AND PANELS, THAT PENETRATE THE GYPSUM BOARD SHALL NOT BE LOCATED BACK-TO-BACK OR IN THE SAME STUD CAVITY. ANY OPENING FOR FIXTURES OR PIPES SHALL BE CUT TO PROPER SIZE AND SEALED. THE ENTIRE PERIMETER OF A SOUND INSULATING SYSTEM SHALL BE MADE AIRTIGHT TO PREVENT SOUND FLANKING. FLEXIBLE SEALANT OR AN ACOUSTICAL GASKET SHALL BE USED TO SEAL BETWEEN THE STC RATED SYSTEM AND ALL ADJOINING SURFACES. TAPING GYPSUM BOARD WALL AND WALL-CEILING INTERSECTIONS PROVIDES AN ADEQUATE AIR SEAL AT THESE LOCATIONS. CONSULT GWB MANUFACTURER FOR SPECIAL RECOMMENDATIONS.
- MEMBRANE ROOF, WHERE OCCURS TO BE AIR BARRIER. ALL OTHER ROOF-CEILING ASSEMBLIES TO USE WEATHER BARRIER AS AIR BARRIER.
- EXTERIOR FACES OF STUD WALLS ARE ALIGNED TO GRID LINES. U.N.O.
- WHERE RATED ASSEMBLIES AND STRUCTURAL SHEAR WALLS JOIN OTHER ASSEMBLIES, CONTRACTOR TO PROVIDE ADDITIONAL LAYERS OF SHEATHING, RESILIENT CHANNEL, ETC. TO PROVIDE A UNIFORM, SEAMLESS FINISHED SURFACE.
- PROVIDE FIRE EXTINGUISHERS IN THE NATURAL PATH OF TRAVEL SUCH THAT TRAVEL DISTANCE DOES NOT EXCEED 75'. (SEE CODE PLANS)
- SEE STRUCTURAL PLANS FOR SLAB JOINT LOCATIONS. U.N.O.

REFERENCE SYMBOLS

1 A101	View Name 1/8" = 1'-0"	VIEW TITLE	?	MATERIAL TAG
1 A101	NORTH ARROW		001A	DOOR SYMBOL
1 A101	INTERIOR & EXTERIOR ELEVATION		A	WINDOW SYMBOL
1 A101	GRID LINES		101	ROOM SYMBOL
1 A101	BUILDING SECTIONS		R1	ROOF
1 A101	WALL SECTIONS		1 1'-0" A.F.F.	CEILING TAG
1 A101	CONSTRUCTION DETAIL		E1	WALL/PARTITION TYPE SYMBOL
1 A101	CALLOUT SYMBOL		F1	WALL/PARTITION TYPE SYMBOL
1 A101	LEVEL SYMBOL		?	KEYED NOTE
1 A101			SPOT ELEVATION	
1 A101			COLUMN SYMBOL	
1 A101			CENTER LINE	
1 A101			REVISION SYMBOL	

ABBREVIATIONS

0	#	NUMBER	CTR	CENTER	HM	HOLLOW METAL	PAF	POWER ACTUATED FASTENER	STD	STANDARD
A	AB	ANCHOR BOLT	CTRD	CENTERED	HORIZ	HORIZONTAL	PART B0	PARTICLE BOARD	STL	STEEL
A	ACT	ACOUSTICAL CEILING TILE	D	PERPENDICULAR	HR	HOUR	PERP	PERPENDICULAR	STOR	STORAGE
A	ADDM	ADDENDUM	DBL	DOUBLE	HT	HEIGHT	PFE	PORTABLE FIRE EXTINGUISHER	STRUCT	STRUCTURAL
A	ADJ	ADJACENT	DF	DRINKING FOUNTAIN	HTG	HEATING	PFM	PRE-FINISHED METAL	SUB FLR	SUBFLOOR
A	AFF	ABOVE FINISHED FLOOR	DIA	DIAMETER	HVAC	HEATING, VENTILATING, AIR CONDITIONING	PL	PROPERTY LINE / PLATE	SV	SHEET VINYL
A	AHJ	AUTHORITY HAVING JURISDICTION	DIM	DIMENSION	I	INCH	PLAM	PLASTIC LAMINATE	T	TREAD
A	AHU	AIR HANDLING UNIT	DN	DOWN	IN	INCH	PLWD	PLYWOOD	T ALUM	TUBULAR ALUMINUM
A	ALT	ALTERNATE	DR	DOOR	INFO	INFORMATION	PNL	PANEL	T&G	TONGUE AND GROVE
A	ALUM	ALUMINUM	DS	DOWNSPOUT	INSUL	INSULATION	PRE	PREFINISHED	TB	TEST BORE
A	ARCH	ARCHITECTURAL	DTL/DET	DETAIL	INT	INTERIOR	PSF	POUNDS PER SQUARE FOOT	THRU	THROUGH
A	ASPH	ASPHALT	DWG	DRAWING	J	JOIST	PSI	POUNDS PER SQUARE INCHES	TJI	TRUSS JOIST-JOIST
B	BLDG	BUILDING	E	(E) / EXIST	JST	JOIST	PSL	PARALLEL STRAND LUMBER	TO	TOP OF
B	BLKG	BLOCKING	EA	EACH	JT	JOINT	PT	PAINT / PRESSURE TREATED / POINT	TO FTG	TOP OF FOOTING
B	BO	BOTTOM OF	EIFS	EXTERIOR INSULATION FINISH SYSTEM	L	LINEAL FEET	PVC	POLYVINYL CHLORIDE	TOB	TOP OF BEAM
B	BOW	BOTTOM OF WALL	EJ	EXPANSION JOINT	LB	POUND	Q	QUANTITY	TOJ	TOP OF JOIST
B	BRG	BEARING	ELEC	ELECTRICAL	LF	FOOT	R	RADIUS, RISERS	TOP	TOP OF PLATE
B	BTWN	BETWEEN	ELEV	ELEVATION - HEIGHT	LTWT	LIGHTWEIGHT	RD	ROOF DRAIN	TOS	TOP OF STEEL
B	BU	BUILT UP	EQ	EQUAL	LVL	LAMINATED VENEER LUMBER	RDWD	REDWOOD	TOSL	TOP OF SLAB
C	CB	CATCH BASIN	ETR	EXISTING TO REMAIN	M	MATERIAL	REF	REGARDING	TOW	TOP OF WALL
C	CC	CENTER TO CENTER	EWC	EXTERIOR WALL ASSEMBLY	MAT	MATERIAL	REF	REFERENCE	TP DISP	TOILET PAPER DISPENSER
C	CF	CUBIC FEET	EXC	EXCEPTION	MAX	MAXIMUM	REFG	REFRIGERATOR	TS	TUBULAR STEEL
C	CH	CHANNEL	EXT	EXTERIOR	MDF	MEDIUM DENSITY FIBER BOARD	REINF	REINFORCING	TYP	TYPICAL
C	CJ	CROSS JOINT	FLR	FLOOR	MECH	MECHANICAL	REQD	REQUIRED	U	UNDERGROUND
C	CL	CENTERLINE	FO	FACE OF	MFR	MANUFACTURER	RES	RESILIENT	UNO	UNLESS NOTED OTHERWISE
C	CLG	CLEAR	FDN	FOUNDATION	MIR	MIRROR	RM	ROOM	V	VERIFY
C	CLR	CLEAR	FE	FIRE EXTINGUISHER	MISC	MISCELLANEOUS	RO	ROUGH OPENING	FV	FIELD VERIFY
C	CLT	CROSS LAMINATED TIMBER	FF	FINISHED FLOOR	MO	MASONRY OPENING	RTU	ROUGH TOP UNITS	VAC	VACUUM OUTLET
C	CMU	CONCRETE MASONRY UNIT	FLR	FLOOR	MTL	METAL	S	SCHEDULE	VB	VAPOR BARRIER
C	COL/COLS	COLUMN/COLUMNS	FO	FACE OF	N	NEW	SCHED	SCHEDULE	VCT	VINYL COMPOSITION TILE
C	CONC	CONCRETE	F0F	FACE OF FINISH	(N)	NOT APPLICABLE	SD	SOAP DISPENSER	VERT	VERTICAL
C	CONC	CONSTRUCTION	F0S	FACE OF STUD	N/A	NOT APPLICABLE	SF	SQUARE FEET	VIF	VERIFY IN FIELD
C	CONT	CONTINUOUS	FT	FOOT	NIC	NOT IN CONTRACT	SG	SUPPLY GRILLE	W	WITH
C	COORD	COORDINATE	FTG	FOOTING	NTS	NOT TO SCALE	SHT	SHEET	W/O	WITHOUT
C	CPT	CARPET	G	GAUGE	OC	ON CENTER	SHTG	SHEATHING	W/R	WATER RESISTANT
C	CSCI	CONTRACTOR SUPPLIED	GALV	GALVANIZED	ONH	OVERHEAD	SHWR	SHOWER	WC	WATER CLOSET
C	CT	CONTRACTOR INSTALLED	GC	GENERAL CONTRACTOR	OPNG	OPENING	SIM	SIMILAR	WD	WOOD
			GL	GLASS	OPP	OPPOSITE	SIP	STRUCTURAL INSULATED PANEL	WNDW	WINDOW
			GLB / GLU	GLUE LAMINATED BEAM	OSCI	OWNER SUPPLIED	SPEC / SPECS	SPECIFICATIONS	WP	WATERPROOF
			LAM	LAM	OSOI	OWNER SUPPLIED OWNER INSTALLED			WRB	WEATHER RESISTIVE BARRIER
			GWB	GYPSUM WALL BOARD	P				WT	WEIGHT
									WWF	WELDED WIRE FABRIC



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Project Number

DATE	PHASE	DATE	DESC	REV
	PRE		SD	DD
				CD

COVER SHEET

FOR CONSTRUCTION

GO.00

2026.08.31

ABBREVIATED SPECIFICATIONS

DIVISION 01 GENERAL REQUIREMENTS

NOTE: REFER TO MISSOULA COUNTY'S INVITATION TO BID FOR BIDDING PROCEDURES AND ADDITIONAL REQUIREMENTSS.

SECTION 01 00 00 GENERAL REQUIREMENTS

A. GENERAL NOTES

- ALL PRODUCTS ARE TO BE INSTALLED IN STRICT ACCORDANCE TO MANUFACTURER'S REQUIREMENTS AND INSTALLATION INSTRUCTIONS.
- PROVIDE PRODUCT DATA SUBMITTALS FOR ALL BELOW LISTED PRODUCTS, AND SHOP DRAWINGS WHERE RELEVANT.
- PROVIDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION
- ALL MATERIALS TO BE PROTECTED FROM DAMAGE PRIOR AND AFTER INSTALL.
- CONTRACTOR RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS AND ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND IN CONFORMANCE WITH THE BEST TRADE PRACTICES. CONTRACTOR IS RESPONSIBLE FOR ANY INFORMATION NOT SHOWN ON THE PLANS REQUESTED BY THE STATE TO OBTAIN THE NECESSARY PERMITS.
- BUILDING PERMIT AND PLAN REVIEW FEES TO BE PAID BY OWNER.
- UTILITY LOCATES TO BE PAID FOR BY CONTRACTOR.
- CONTRACTOR TO COORDINATE HOURS OF OPERATION WITH THE OWNER.
- RELOCATING OR REMOVING ANY UTILITIES FROM THE BUILDING ARE THE RESPONSIBILITY OF THE OWNER.
- CONTACT MISSOULA COUNTY WITH ALL BID QUESTIONS IN WRITING. REFER TO THE INSTRUCTIONS FOR BID FOR BID INSTRUCTIONS AND SUBMITTING BID QUESTIONS (UNDER SEPARATE COVER).

SECTION 01 23 00 ALTERNATES:

- SEE COVER SHEET FOR ALTERNATE SCOPES

SECTION 01 50 00 SUBSTITUTION PROCEDURES

- ANY REQUESTS FOR PRODUCT SUBSTITUTIONS MUST BE SUBMITTED TO OWNER AND ARCHITECT AT LATEST THREE (3) DAYS PRIOR TO THE DATE OF THE BID OPENING FOR CONSIDERATION BY THE OWNER, ENGINEER OR ARCHITECT.

01 31 00 PROJECT MANAGEMENT AND COORDINATION

1. SUMMARY

- THIS SECTION COVERS GENERAL COORDINATION OF THE WORK, INCLUDING COORDINATION AMONG TRADES AND SUBCONTRACTORS, PROJECT MEETINGS, REQUESTS FOR INFORMATION (RFIS), AND GENERAL ADMINISTRATIVE REQUIREMENTS NOT COVERED ELSEWHERE.
- COORDINATE THE WORK OF ALL TRADES SO THAT COMPONENTS FIT TOGETHER PROPERLY AND NO TRADE DAMAGES OR OBSTRUCTS THE WORK OF ANOTHER. RESOLVE CONFLICTS AMONG THE DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS, AND BRING UNRESOLVED CONFLICTS TO THE ARCHITECT BEFORE PROCEEDING.

2. COORDINATION

- COORDINATE THE LOCATION AND INSTALLATION OF MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE-PROTECTION WORK WITH THE ARCHITECTURAL AND STRUCTURAL WORK, AND WITH CEILING, WALL, AND FLOOR FINISHES, TO AVOID CONFLICTS AND TO MAINTAIN REQUIRED CLEARANCES AND ACCESS.
- VERIFY EXISTING FIELD CONDITIONS AND DIMENSIONS BEFORE ORDERING MATERIALS OR BEGINNING WORK. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS BEFORE PROCEEDING.
- COORDINATE WORK THAT MUST BE SEQUENCED WITH OTHER TRADES, INCLUDING BLOCKING, BACKING, SLEEVES, AND ROUGH-IN REQUIRED TO BE IN PLACE BEFORE FINISHES ARE INSTALLED.
- WHERE THE WORK CONFLICTS TO OR AFFECTS EXISTING BUILDING SYSTEMS, COORDINATE OUTAGES AND TIE-INS WITH THE OWNER IN ADVANCE.

3. PROJECT MEETINGS

- ATTEND ALL PRE-CONSTRUCTION MEETING WITH THE OWNER, ARCHITECT, AND MAJOR SUBCONTRACTORS BEFORE THE START OF WORK TO REVIEW THE SCHEDULE, SUBMITTAL PROCEDURES, COORDINATION, AND SITE REQUIREMENTS.
- CONDUCT REGULAR PROGRESS MEETINGS AT INTERVALS AGREED WITH THE OWNER AND ARCHITECT. THE CONTRACTOR SHALL PREPARE AND DISTRIBUTE MEETING MINUTES TO ALL ATTENDEES.
- HOLD PRE-INSTALLATION MEETINGS WHERE REQUIRED BY INDIVIDUAL SPECIFICATION SECTIONS.

4. REQUESTS FOR INFORMATION (RFIS)

- SUBMIT RFIS IN WRITING WHEN CLARIFICATION OR ADDITIONAL INFORMATION IS REQUIRED. DO NOT USE RFIS TO REQUEST SUBSTITUTIONS, TO PROPOSE CHANGES FOR THE CONTRACTOR'S CONVENIENCE, OR IN PLACE OF A SUBMITTAL.
- INCLUDE IN EACH RFI A CLEAR DESCRIPTION OF THE ITEM, THE RELEVANT DRAWING OR SPECIFICATION REFERENCE, AND THE CONTRACTORS PROPOSED SOLUTION WHERE APPLICABLE.
- ALLOW THE ARCHITECT A REASONABLE REVIEW PERIOD (5-10 WORKING DAYS) FOR EACH RFI. DO NOT PROCEED WITH AFFECTED WORK UNTIL THE RFI IS ANSWERED.

01 41 00 QUALITY REQUIREMENTS

1. SUMMARY

- THIS SECTION COVERS QUALITY-CONTROL REQUIREMENTS FOR THE WORK, INCLUDING REQUIRED INSPECTIONS AND TESTING, QUALIFICATIONS OF INSTALLERS AND TESTING AGENCIES, MOCKUPS, AND COMPLIANCE WITH REFERENCED STANDARDS.
- PERFORM ALL WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, REFERENCED STANDARDS, APPLICABLE CODES, AND BEST TRADE PRACTICES. WHERE REQUIREMENTS CONFLICT, COMPLY WITH THE MOST STRINGENT APPLICABLE REQUIREMENT UNLESS DIRECTED OTHERWISE BY THE ARCHITECT.

2. REFERENCED STANDARDS

- WHERE A STANDARD (ASTM, ANSI, AIA, AISC, SMACNA, OR SIMILAR) IS REFERENCED IN THE CONTRACT DOCUMENTS, COMPLY WITH THE EDITION IN EFFECT AS OF THE DATE OF THE CONTRACT DOCUMENTS UNLESS A SPECIFIC EDITION IS NAMED.
- REFERENCED STANDARDS ESTABLISH MINIMUM REQUIREMENTS. WHERE THE CONTRACT DOCUMENTS EXCEED A REFERENCED STANDARD, THE CONTRACT DOCUMENTS GOVERN.

3. QUALIFICATION

- INSTALLERS SHALL BE EXPERIENCED FIRMS REGULARLY ENGAGED IN WORK OF THE TYPE, SCOPE, AND QUALITY REQUIRED, AND SHALL MEET ANY SPECIFIC QUALIFICATION REQUIREMENTS OF THE INDIVIDUAL SPECIFICATION SECTIONS.
- TESTING AND INSPECTION AGENCIES SHALL BE INDEPENDENT AND QUALIFIED IN ACCORDANCE WITH THE APPLICABLE STANDARD (FOR EXAMPLE, ASTM E939 OR ASTM C1077), AND SHALL BE ACCEPTABLE TO THE AUTHORITIES HAVING JURISDICTION.
- MANUFACTURERS SHALL BE FIRMS REGULARLY PRODUCING THE SPECIFIED PRODUCTS, WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE.

4. INSPECTIONS AND TESTING

- PROVIDE REQUIRED INSPECTIONS AND TESTS AS CALLED FOR IN THE INDIVIDUAL SPECIFICATION SECTIONS, ON THE STRUCTURAL DRAWINGS, AND BY THE AUTHORITIES HAVING JURISDICTION.
- SPECIAL INSPECTIONS REQUIRED BY THE BUILDING CODE SHALL BE PERFORMED BY THE OWNERS INDEPENDENT INSPECTION AGENCY. THE CONTRACTOR SHALL COORDINATE WITH PROVIDE ACCESS FOR, AND GIVE ADVANCE NOTICE TO THE INSPECTION AGENCY, AND SHALL NOT CONCEAL WORK REQUIRING INSPECTION BEFORE IT HAS BEEN OBSERVED.
- WHERE MATERIALS OR WORK FAIL TO MEET THE SPECIFIED REQUIREMENTS, REMOVE AND REPLACE THE DEFICIENT WORK, AND PAY THE COST OF RETESTING THE CORRECTED WORK.
- TESTING AND INSPECTION DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

5. MOCKUPS

- PROVIDE MOCKUPS WHERE REQUIRED BY THE INDIVIDUAL SPECIFICATION SECTIONS FOR REVIEW AND APPROVAL OF APPEARANCE, FINISH, AND WORKMANSHIP BEFORE PROCEEDING WITH THE REPRESENTED WORK.

01 77 00 CLOSEOUT PROCEDURES

1. SUMMARY

- THIS SECTION COVERS THE REQUIREMENTS FOR SUBSTANTIAL COMPLETION, FINAL COMPLETION, AND CLOSEOUT OF THE PROJECT, INCLUDING PUNCH LISTS, FINAL CLEANING, AND CLOSEOUT SUBMITTALS.
- COMPLETE ALL CLOSEOUT REQUIREMENTS BEFORE REQUESTING FINAL PAYMENT.

2. SUBSTANTIAL COMPLETION

- WHEN THE CONTRACTOR OR CONSIDERS THE WORK, OR A DESIGNATED PORTION OF IT, TO BE SUBSTANTIALLY COMPLETE, SUBMIT A WRITTEN REQUEST FOR A SUBSTANTIAL COMPLETION INSPECTION ALONG WITH A LIST OF ITEMS REMAINING TO BE COMPLETED OR CORRECTED (THE CONTRACTOR'S PUNCH LIST).
- THE ARCHITECT WILL INSPECT THE WORK AND EITHER ISSUE A CERTIFICATE OF SUBSTANTIAL COMPLETION, WITH A PUNCH LIST OF REMAINING ITEMS AND A TIME FOR THEIR COMPLETION, OR ADVISE THE CONTRACTOR OF THE WORK REQUIRED BEFORE THE CERTIFICATE CAN BE ISSUED.
- UNLESS THE CONTRACT STATES OTHERWISE, WARRANTIES AND THE CORRECTION PERIOD BEGIN AT THE DATE OF SUBSTANTIAL COMPLETION.

3. FINAL COMPLETION AND FINAL PAYMENT

- COMPLETE ALL PUNCH-LIST ITEMS, FINAL CLEANING, AND CLOSEOUT SUBMITTALS, AND SUBMIT A WRITTEN REQUEST FOR FINAL INSPECTION.
- SUBMIT, AS A CONDITION OF FINAL PAYMENT: THE FINAL APPLICATION FOR PAYMENT; CONSENT OF SURETY WHERE APPLICABLE; RELEASE OF LIENS OR CLAIMS AS REQUIRED BY THE CONTRACT; AND ALL CLOSEOUT SUBMITTALS LISTED BELOW.
- THE ARCHITECT WILL MAKE A FINAL INSPECTION AND, WHEN THE WORK IS ACCEPTABLE AND ALL REQUIREMENTS ARE MET, WILL PROCESS FINAL PAYMENT.

4. FINAL CLEANING

- AT COMPLETION, CLEAN THE WORK AND THE SITE. REMOVE TOOLS, EQUIPMENT, SURPLUS MATERIALS, AND CONSTRUCTION DEBRIS. LEGALLY DISPOSE OF WASTE OFF SITE.
- CLEAN INTERIOR AND EXTERIOR FINISHED SURFACES, INCLUDING GLASS, FIXTURES, AND EQUIPMENT; REPLACE DAMAGED OR DEFECTIVE WORK; TOUCH UP MARRED FINISHES, AND LEAVE THE BUILDING BROOM-CLEAN AND READY FOR USE.
- CLEAN OR REPLACE HVAC FILTERS USED DURING CONSTRUCTION, AND CLEAN OUTDOOR AND EQUIPMENT AS REQUIRED BY THE MECHANICAL SECTIONS.

5. CLOSEOUT SUBMITTALS

- OPERATION AND MAINTENANCE DATA, PER SECTION 01 78 23.
- PROJECT RECORD DOCUMENTS (AS-BUILT), PER SECTION 01 78 39.
- WARRANTIES AND BONDS, EXECUTED AND ASSEMBLED, WITH A TABLE OF CONTENTS IDENTIFYING EACH ITEM, THE RESPONSIBLE SUBCONTRACTOR OR SUPPLIER, AND THE WARRANTY PERIOD AND START DATE.
- CERTIFICATE OF OCCUPANCY AND OTHER APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
- KEYS, KEYING SCHEDULE, AND ANY ACCESS-CONTROL CREDENTIALS, DELIVERED TO THE OWNER.
- SPARE PARTS, ATTIC STOCK, AND EXTRA MATERIALS REQUIRED BY THE INDIVIDUAL SPECIFICATION SECTIONS, DELIVERED TO THE OWNER AND INVENTORIED.

01 78 23 OPERATION AND MAINTENANCE DATA

1. SUMMARY

- THIS SECTION COVERS THE PREPARATION AND SUBMISSION OF OPERATION AND MAINTENANCE (O&M) DATA FOR PRODUCTS, MATERIALS, SYSTEMS, AND EQUIPMENT THAT REQUIRE OPERATION, SERVICING, OR MAINTENANCE BY THE OWNER.
- SUBMIT O&M DATA AS A CLOSEOUT SUBMITTAL UNDER SECTION 01 77 00, IN TIME FOR THE ARCHITECT TO REVIEW IT BEFORE FINAL PAYMENT AND IN TIME TO INSTRUCT THE OWNER'S PERSONNEL BEFORE OCCUPANCY.

2. FORMAT

- PROVIDE O&M DATA IN ELECTRONIC (PDF) FORMAT, ORGANIZED AND BOOKMARKED BY SPECIFICATION SECTION OR BUILDING SYSTEM, WITH A MASTER TABLE OF CONTENTS. PROVIDE PRINTED COPIES IN LABELED BINDERS WHERE REQUIRED BY THE OWNER.
- WHERE A REQUIRED NUMBER OF COPIES IS NOT OTHERWISE STATED, PROVIDE ONE ELECTRONIC SET AND TWO PRINTED SETS. CONFIRM THE REQUIRED QUANTITIES WITH THE OWNER BEFORE ASSEMBLING.
- ASSEMBLE DATA SO THAT INFORMATION FOR EACH PRODUCT OR SYSTEM IS COMPLETE AND READILY LOCATED, AND REFERENCE THE APPLICABLE SPECIFICATION SECTION FOR EACH ITEM.

3. CONTENT

- FOR EACH PRODUCT, MATERIAL, AND SYSTEM REQUIRING MAINTENANCE, INCLUDE: MANUFACTURER'S PRODUCT DATA AND IDENTIFICATION (MODEL AND SERIAL NUMBERS AS APPLICABLE); OPERATING INSTRUCTIONS; ROUTINE AND PREVENTIVE MAINTENANCE INSTRUCTIONS AND SCHEDULES; AND TROUBLESHOOTING GUIDANCE.
- INCLUDE MANUFACTURER'S WARRANTY DOCUMENTS, PARTS LISTS, AND SOURCES FOR REPLACEMENT PARTS AND SERVICE.
- INCLUDE THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF INSTALLING SUBCONTRACTORS AND SUPPLIERS, AND OF LOCAL SOURCES OF PARTS AND SERVICE.
- INCLUDE FINISH SCHEDULES AND TOUCH-UP/CLEANING INSTRUCTIONS FOR FINISHED SURFACES (PAINT COLORS AND PRODUCT NUMBERS, FLOORING, CASEWORK, AND SIMILAR), AND COPIES OF ANY REQUIRED CERTIFICATIONS AND TEST REPORTS.
- CROSS-REFERENCE PROJECT RECORD DOCUMENTS (SECTION 01 78 39) RATHER THAN DUPLICATING THEM.

SECTION 01 78 39 PROJECT RECORD DOCUMENTS

- DIGITAL AS-BUILT DRAWINGS ARE ACCEPTABLE. MODIFICATIONS AND NOTES TO BE TYPE WRITTEN AND/OR COMPUTER DRAFTED, NOT BY HAND.
- CONTRACT RECORD DOCUMENTS (AS, RFI, CDD, ETC) TO BE INCLUDED WITH DIGITAL AS-BUILT SET.
- DRAWINGS TO BE IN PDF FORMAT, CLEARLY BOOKMARKED AND PROVIDED WITH OPERATION AND MAINTENANCE MANUAL.

DIVISION 02 EXISTING CONDITIONS AND DEMOLITION

02 41 00 DEMOLITION

1. SCOPE

- WORK INVOLVES BUT IS NOT LIMITED TO REMOVING EXISTING INTERIOR WALLS, CUTTING AND PATCHING, FLOOR COVERINGS, MECHANICAL AND ELECTRICAL ITEMS, AND MISCELLANEOUS ITEMS AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS AND AS REQUIRED FOR THE REMODEL AND INSTALLATION OF NEW ITEMS.
- ARCHITECT/ENGINEER/CONTRACTOR TO REVIEW ALL METAL FABRICATION SHOP DRAWINGS.
- INSTALL ITEMS PLUMB AND LEVEL, ACCURATELY FITTED, FREE FROM DISTORTION OR DEFECTS.
- PROVIDE SUBMITTAL FOR LADDERS AND HANDRAILS

2. WORKMANSHIP

- ACCURATELY RECORD THE ACTUAL LOCATIONS OF CAPPED AND ACTIVE UTILITIES AND SUBSURFACE CONSTRUCTION.
- COORDINATE THE SCHEDULE OF ALL DEMOLITION ACTIVITIES WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK. COORDINATE ANY UTILITY OR SERVICE OUTAGES WITH THE OWNER IN ADVANCE.
- REMOVE ALL EXISTING ELEMENTS, NOTED AND NOT NOTED, AS REQUIRED TO ACCOMPLISH THE NEW WORK. COMPLY WITH ALL APPLICABLE CODES, OBTAIN ALL NECESSARY PERMITS, AND TAKE PRECAUTIONS TO PREVENT CATASTROPHIC OR UNCONTROLLED COLLAPSE OF UNSTABLE STRUCTURES.
- WORKMANSHIP: THE CONTRACTOR IS LIABLE FOR ANY DAMAGE RESULTING FROM ITS NEGLIGENCE AND SHALL CORRECT SUCH DAMAGE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. AT NO ADDITIONAL COST TO THE OWNER, PERFORM DEMOLITION IN A SYSTEMATIC MANNER, DO NOT CUT OR PATCH ANY STRUCTURAL, MECHANICAL, OR ELECTRICAL ELEMENTS IN A MANNER THAT WOULD REDUCE THAT ELEMENT'S DESIGNED PERFORMANCE WITHOUT PRIOR APPROVAL FROM THE ARCHITECT/ENGINEER. ANY DEMOLITION OF AESTHETIC ELEMENTS THAT WOULD, IN THE ARCHITECT'S OPINION, DIMINISH OR OTHERWISE REDUCE THE AESTHETIC QUALITY OF THE BUILDING OR INTERIOR SPACE MUST BE APPROVED BY THE ARCHITECT BEFORE THAT WORK IS PERFORMED.
- EMPLOY SKILLED LABOR FOR ALL CUTTING AND PATCHING REQUIRED BY THE CONTRACT DOCUMENTS. PROTECT ADJACENT SURFACES SO THAT NO DAMAGE OCCURS WHILE DEMOLITION WORK IS IN PROGRESS.
- CLEAN-UP: THE ENTIRE WORK AREA SHALL BE CLEANED AT THE END OF EACH WORKING DAY.

02 83 00 LEAD-SAFE WORK PRACTICES (RENOVATION AND DEMOLITION)

1. SUMMARY/SCOPE

- THIS SECTION COVERS THE DISTURBANCE, CONTAINMENT, CLEANUP, AND DISPOSAL OF LEAD-BASED PAINT AND LEAD-CONTAINING COATINGS DURING RENOVATION, REPAIR, AND DEMOLITION WORK, AND THE PROTECTION OF WORKERS AND ADJACENT AREAS FROM LEAD HAZARDS.
- THE CONTRACTOR SHALL COMPLY WITH BOTH THE OSHA LEAD IN CONSTRUCTION STANDARD (29 CFR 1926.62) AND THE EPA RENOVATION, REPAIR, AND PAINTING (RRP) RULE (40 CFR PART 745, SUBPART E) FOR ALL WORK THAT DISTURBS LEAD-BASED PAINT. OSHA 29 CFR 1926.62 GOVERNS WORKER PROTECTION; THE RRP RULE GOVERNS RENOVATION WORK PRACTICES, CLEANING VERIFICATION, AND RECORDKEEPING. WHERE THE TWO STANDARDS DIFFER, THE CONTRACTOR SHALL COMPLY WITH THE MORE STRINGENT REQUIREMENT.
- ALL PAINTED COATED OR VARNISHED SURFACES BY THIS WORK SHALL BE TREATED AS LEAD-BASED PAINT UNLESS THE PROJECT INSPECTION REPORT DEMONSTRATES OTHERWISE.
- A LEAD-CONTAINING PAINT INSPECTION HAS BEEN PERFORMED FOR THIS PROJECT AND IS DOCUMENTED IN THE "ASBESTOS AND LEAD-CONTAINING PAINT INSPECTION REPORT" PREPARED BY GEM ENVIRONMENTAL, INC. FOR THE FORMER MISSOULA COUNTY YOUTH COURT, 311 WOODY ST., MISSOULA, MT (REPORT DATED JULY 6, 2026, REVISION 1.0), OR THE LATEST ISSUED REVISION. THE CONTRACTOR SHALL OBTAIN, REVIEW, AND BECOME THOROUGHLY FAMILIAR WITH THIS REPORT BEFORE BEGINNING WORK, AND SHALL COMPLY WITH ALL FINDINGS, RECOMMENDATIONS, AND RECOMMENDATIONS CONTAINED WITHIN IT. WHEN THE REPORT AND THIS SECTION DIFFER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- THE BUILDING WILL BE VACANT FOR THE DURATION OF CONSTRUCTION. CONTAIN AND CLEAN THE WORK TO PROTECT ADJACENT AREAS FROM LEAD HAZARDS.
- COORDINATE SITE ACCESS AND STAGING WITH THE OWNER.

2. REFERENCE STANDARDS

- OSHA LEAD IN CONSTRUCTION STANDARD, 29 CFR 1926.62 (WORKER PROTECTION).
- EPA RENOVATION, REPAIR, AND PAINTING (RRP) RULE, 40 CFR PART 745, SUBPART E (RENOVATION WORK PRACTICES, CERTIFICATION, CLEANING VERIFICATION, AND RECORDKEEPING).
- RCRA HAZARDOUS WASTE REGULATIONS, 40 CFR PARTS 260 THROUGH 262 (WASTE DETERMINATION, STORAGE, AND DISPOSAL).
- U.S. DOT HAZARDOUS MATERIALS REGULATIONS, 49 CFR (TRANSPORT OF LEAD WASTE CHARACTERIZED AS HAZARDOUS, WHERE APPLICABLE).
- APPLICABLE MONTANA STATE AND LOCAL REGULATIONS. COMPLY WITH THE MOST STRINGENT APPLICABLE REQUIREMENT WHERE PROVISIONS DIFFER.
- PROJECT INSPECTION REPORT: "ASBESTOS AND LEAD-CONTAINING PAINT INSPECTION REPORT," GEM ENVIRONMENTAL, INC., FORMER MISSOULA COUNTY YOUTH COURT, 311 WOODY ST., MISSOULA, MT, DATED JULY 6, 2026, REVISION 1.0 (OR LATEST ISSUED REVISION). THE CONTRACTOR SHALL ADHERE TO THE RECOMMENDATIONS OF THIS REPORT.

3. QUALIFICATIONS

- THE CONTRACTOR SHALL BE A FIRM CERTIFIED BY THE EPA AS A LEAD-SAFE CERTIFIED FIRM IN ACCORDANCE WITH 40 CFR 745.89, AND SHALL MAINTAIN THAT CERTIFICATION FOR THE DURATION OF THE WORK.
- THE CONTRACTOR SHALL ASSIGN A CERTIFIED RENOVATOR, CERTIFIED IN ACCORDANCE WITH 40 CFR 745.90, TO THE PROJECT. THE CERTIFIED RENOVATOR SHALL BE RESPONSIBLE FOR DIRECTING THE WORK, TRAINING NON-CERTIFIED WORKERS IN THE LEAD-SAFE WORK PRACTICES USED ON THIS PROJECT, AND PERFORMING THE POST-RENOVATION CLEANING VERIFICATION.
- THE CONTRACTOR SHALL COMPLY WITH OSHA 29 CFR 1926.62 WHENEVER LEAD-CONTAINING MATERIALS ARE DISTURBED, INCLUDING DESIGNATING A COMPETENT PERSON TO IMPLEMENT AND OVERSEE THE LEAD COMPLIANCE PROGRAM.
- WORKERS WHO DISTURB LEAD-CONTAINING COATINGS SHALL BE TRAINED IN ACCORDANCE WITH OSHA 29 CFR 1926.62 AND SHALL WORK UNDER THE DIRECTION OF THE CERTIFIED RENOVATOR, INCLUDING HAZARD COMMUNICATION AND THE SAFE WORK PRACTICES USED ON THIS PROJECT.
- MAINTAIN FIRM AND RENOVATOR CERTIFICATIONS, TRAINING RECORDS, THE WRITTEN COMPLIANCE PROGRAM, AND RELATED DOCUMENTATION ON SITE, AND AVAILABLE FOR INSPECTION THROUGHOUT THE WORK.

4. IDENTIFICATION OF LEAD-BASED PAINT

- A PROJECT LEAD INSPECTION REPORT HAS BEEN PROVIDED (GEM ENVIRONMENTAL, INC., DATED JULY 6, 2026, REV. 1.0). RELY ON THE RESULTS OF THAT REPORT TO IDENTIFY LEAD-BASED PAINT AND ITS LOCATIONS.
- FOR ANY PAINTED SURFACE WITHIN THE SCOPE OF WORK THAT IS NOT ADDRESSED BY THE REPORT, PRESUME IT CONTAINS LEAD-BASED PAINT AND PROCEED ACCORDINGLY, OR OBTAIN ADDITIONAL TESTING BEFORE DISTURBANCE.

5. PRE-RENOVATION NOTIFICATION

- BEFORE BEGINNING WORK, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH THE EPA "RENOVATE RIGHT" PAMPHLET AND OBTAIN THE OWNER'S SIGNED ACKNOWLEDGMENT OF RECEIPT, IN ACCORDANCE WITH 40 CFR 745.84.
- THE BUILDING WILL BE VACANT DURING CONSTRUCTION. TENANT AND OCCUPANT NOTIFICATION PROVISIONS BEYOND NOTICE TO THE OWNER ARE THE OWNER'S LIMITED, BUT THE CONTRACTOR SHALL SATISFY ALL APPLICABLE PRE-RENOVATION EDUCATION REQUIREMENTS OF THE RRP RULE.

6. PROHIBITED PRACTICES

- OPEN-FLAME BURNING OR TORCHING OF LEAD-BASED PAINT.
- SANDING, GRINDING, PLANING, NEEDLE GUNNING, OR ABRASIVE BLASTING OF LEAD-BASED PAINT WITHOUT A TOOL EQUIPPED WITH A HEPA-FILTERED LOCAL EXHAUST CONTROL.
- OPERATING A HEAT GUN ON LEAD-PAINTED SURFACES AT OR ABOVE 1,100 DEGREES F.
- EXTENSIVE DRY SCRAPING OR DRY SANDING, EXCEPT FOR LIMITED TOUCH-UP ON SMALL AREAS.
- UNCONTAINED WATER BLASTING OR POWER WASHING OF LEAD-BASED PAINT SURFACES.

7. WORK AREA CONTAINMENT

- POST OSHA LEAD WARNING SIGNS AT ALL APPROACHES TO THE WORK AREA AND ESTABLISH A REGULATED AREA WITH ACCESS RESTRICTED TO AUTHORIZED, PROTECTED PERSONNEL.
- COVER FLOORS AND FIXED OBJECTS IN THE WORK AREA WITH PLASTIC SHEETING, AND SEAL OR SHUT OFF HVAC SUPPLY AND RETURN OPENINGS WITHIN THE WORK AREA TO PREVENT THE MIGRATION OF LEAD DUST TO OTHER PARTS OF THE BUILDING.
- FOR INTERIOR WORK, EXTEND FLOOR PROTECTION A SUFFICIENT DISTANCE AROUND THE WORK SURFACE TO CAPTURE DEBRIS AND DUST. FOR EXTERIOR WORK, COVER THE GROUND AND EXTEND CONTAINMENT TO COLLECT PAINT CHIPS AND DEBRIS, AND DO NOT PERFORM WORK IN WIND CONDITIONS THAT PREVENT EFFECTIVE CONTAINMENT.
- PROTECT BUILDING CONTENTS THAT REMAIN IN PLACE. MAINTAIN CONTAINMENT UNTIL FINAL CLEANING AND VERIFICATION ARE COMPLETE.

8. EXECUTION OF LEAD-SAFE WORK PRACTICES

- USE WET METHODS AND MIST SURFACES TO SUPPRESS DUST DURING DISTURBANCE, SCRAPING, AND DEMOLITION, TAKING CARE NOT TO CREATE ELECTRICAL OR SLIP HAZARDS.
- USE HEPA-FILTERED VACUUMS AND TOOLS FITTED WITH HEPA LOCAL EXHAUST WHEREVER CUTTING, SANDING, OR GRINDING OF COATED SURFACES IS REQUIRED.
- SCORE AND MIST COATED JOINTS BEFORE SEPARATING COMPONENTS, AND LOWER REMOVED COMPONENTS RATHER THAN DROPPING THEM.
- CONTINUOUSLY MINIMIZE THE GENERATION AND SPREAD OF DUST, AND KEEP DEBRIS CONTAINED WITHIN THE PROTECTED WORK AREA.

9. WORKER PROTECTION (OSHA 29 CFR 1926.62)

- CONDUCT AN EMPLOYEE EXPOSURE ASSESSMENT. THE PERMISSIBLE EXPOSURE LIMIT (PEL) IS 50 MICROGRAMS PER CUBIC METER OF AIR AVERAGE OVER AN 8-HOUR PERIOD. THE ACTION LEVEL IS 30 MICROGRAMS PER CUBIC METER FOR OSHA PRESUMED-EXPOSURE ("TRIGGER") TASKS, PROVIDE INTERIM WORKER PROTECTION UNTIL THE EXPOSURE ASSESSMENT ESTABLISHES ACTUAL EXPOSURES.
- PROVIDE RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, AND HYGIENE FACILITIES, INCLUDING HANDWASHING AND CHANGE AREAS. PROHIBIT EATING, DRINKING, SMOKING, AND THE APPLICATION OF COSMETICS WITHIN THE WORK AREA.
- PROVIDE WORKER TRAINING, AND PROVIDE MEDICAL SURVEILLANCE WHERE EMPLOYEES ARE EXPOSED AT OR ABOVE THE ACTION LEVEL FOR THE DURATION REQUIRED BY THE STANDARD.

10. CLEANING AND VERIFICATION

- CLEAN THE WORK AREA BY HEPA VACUUMING ALL SURFACES, WET WASHING WITH AN APPROPRIATE CLEANER, AND HEPA VACUUMING AGAIN.
- THE CERTIFIED RENOVATOR SHALL PERFORM THE POST-RENOVATION CLEANING VERIFICATION IN ACCORDANCE WITH 40 CFR 745.85(b), INCLUDING THE CLEANING VERIFICATION CARD COMPARISON, AND SHALL REPEAT CLEANING AND VERIFICATION UNTIL THE WORK AREA PASSES.
- PERFORM A VISUAL VERIFICATION CONFIRMING THAT THE WORK AREA AND ADJACENT SURFACES ARE FREE OF VISIBLE DUST, PAINT CHIPS, AND DEBRIS BEFORE REMOVING CONTAINMENT AND BEFORE THE BUILDING IS TURNED OVER TO THE OWNER.
- WHERE THE OWNER REQUIRES CLEARANCE TESTING BEFORE REOCCUPANCY, DUST-WIPE CLEARANCE SAMPLING SHALL BE PERFORMED BY AN INDEPENDENT QUALIFIED PARTY, AND THE AFFECTED AREAS SHALL NOT BE TURNED OVER FOR REOCCUPANCY UNTIL PASSING RESULTS ARE OBTAINED. CLEARANCE TESTING BY AN INDEPENDENT PARTY, WHERE REQUIRED BY THE OWNER, MAY BE SUBSTITUTED FOR THE CLEANING VERIFICATION OF PARAGRAPH 10.2 IN ACCORDANCE WITH THE RRP RULE.

11. WASTE HANDLING AND DISPOSAL

- SEGREGATE AND CONTAIN LEAD PAINT DEBRIS AS IT IS GENERATED. STORE WASTE IN LABELED, COVERED, LINED CONTAINERS WITHIN THE CONTROLLED WORK AREA.
- DETERMINE WHETHER THE WASTE IS HAZARDOUS THROUGH TCLP ANALYSIS WHERE REQUIRED. THIS IS A COMMERCIAL/PUBLIC BUILDING, SO DO NOT ASSUME THE WASTE IS NONHAZARDOUS WITHOUT A PROPER DETERMINATION.
- TRANSPORT AND DISPOSE OF WASTE IN ACCORDANCE WITH RCRA, DOT, AND MONTANA STATE AND LOCAL REQUIREMENTS. RETAIN SIGNED MANIFESTS, WEIGHT TICKETS, OR DISPOSAL RECEIPTS.
- DO NOT ALLOW LEAD WASTE TO ENTER STORM DRAINS, WATERWAYS, OR GENERAL CONSTRUCTION DEBRIS.

12. RECORDS

- RETAIN THE WRITTEN COMPLIANCE PROGRAM, WORKER TRAINING RECORDS, EXPOSURE MONITORING, CLEANING VERIFICATION, AND ANY CLEARANCE RESULTS.
- RETAIN ALL RECORDS REQUIRED UNDER THE RRP RULE FOR A MINIMUM OF THREE YEARS, INCLUDING FIRM AND RENOVATOR CERTIFICATIONS, RECORDS OF WORKER TRAINING, THE OWNER'S SIGNED ACKNOWLEDGMENT OF RECEIPT OF THE "RENOVATE RIGHT" PAMPHLET, AND DOCUMENTATION OF THE POST-RENOVATION CLEANING VERIFICATION.
- RETAIN OSHA EXPOSURE MONITORING AND MEDICAL RECORDS FOR THE DURATION REQUIRED BY 29 CFR 1926.62 AND 29 CFR 1910.1020 (GENERALLY 30 YEARS FOR MEDICAL AND EXPOSURE RECORDS).
- PROVIDE COPIES OF ALL REQUIRED RECORDS, INCLUDING WASTE DISPOSAL DOCUMENTATION, TO THE OWNER AT PROJECT CLOSEOUT.

DIVISION 03 CONCRETE

SECTION 03 30 00 CAST-IN-PLACE CONCRETE

- PROVIDE MINIMUM THICKNESS CAST-IN-PLACE HOUSEKEEPING PAD FOR HVAC EQUIPMENT PER MANUFACTURER REQUIREMENTS.
- 3,000 PSI MIN WITH 6X8 W1.4XW 14 WWF
- BROOM FINISH WITH MIN SLOPE TO DRAIN

DIVISION 05 METALS

SECTION 05 50 00 METAL FABRICATIONS:

- INTERIOR - ALL DECORATIVE STEEL OR IRON WORK TO BE AS NOTED IN PLANS WITH SHOP PRIMER PREPARED FOR FIELD PAINT FINISH.
- ARCHITECT/ENGINEER/CONTRACTOR TO REVIEW ALL METAL FABRICATION SHOP DRAWINGS.
- INSTALL ITEMS PLUMB AND LEVEL, ACCURATELY FITTED, FREE FROM DISTORTION OR DEFECTS.
- PROVIDE SUBMITTAL FOR LADDERS AND HANDRAILS

SECTION 06 51 32 METAL LADDERS

- PROVIDE REPLACEMENT WALL MOUNTED ATTIC ACCESS LADDER AND TOP/BOTTOM MOUNTED ROOF ACCESS LADDER TO FABRICATE OR IN-PLACE.
- COMPLY WITH OSHA AND ANSI REQUIREMENTS
- SEE ALTERNATES
- BASIS OF DESIGN: NestGon Mighty-Lite™ Aluminum Fixed Ladder

DIVISION 06 WOODS, PLASTICS AND COMPOSITES

06 10 00 ROUGH CARPENTRY

- ARCHITECT/ENGINEER, AND CONTRACTOR TO REVIEW ALL TRUSS AND FRAMING SHOP DRAWINGS PRIOR TO FABRICATION OR INSTALLATION.
- SEE "S" SHEETS FOR STRUCTURAL FRAMING PLANS, SPECIFICATIONS, AND DETAILS.
- PROVIDE FRAMING AND BLOCKING MEMBERS AS INDICATED OR REQUIRED TO SUPPORT FINISHES, FIXTURES, SPECIALTY ITEMS, AND TRIM.
- IN FRAMED ASSEMBLIES WITH CONCEALED SPACES, PROVIDE SOLID-WOOD FIREBLOCKING AS REQUIRED BY APPLICABLE LOCAL CODE TO CLOSE CONCEALED DRAFT OPENINGS BETWEEN FLOORS AND BETWEEN THE TOP STORY AND THE ROOF/ATTIC SPACE.
- IN WALLS, PROVIDE BLOCKING ATTACHED TO STUDS AS BACKING AND SUPPORT FOR WALL-MOUNTED ITEMS, UNLESS THE ITEM CAN BE SECURELY FASTENED TO TWO OR MORE STUDS OR ANOTHER SUPPORT METHOD IS EXPLICITLY INDICATED.
- WHERE CEILING MOUNTINGS ARE SCHEDULED, PROVIDE BLOCKING AND SUPPLEMENTARY SUPPORTS ABOVE THE CEILING, UNLESS ANOTHER SUPPORT METHOD IS EXPLICITLY INDICATED.
- COORDINATE INSTALLATION OF ROOFING CARPENTRY WITH DECK CONSTRUCTION, FRAMING OF ROOF OPENINGS, AND TRIM.
- CONCEALED SAWN LUMBER BEAMS AND STUDS: SELECT STRUCTURAL DOUGLAS FIR/LARCH, PER WPPA GRADING RULES. ALL LUMBER SHALL BE KILN-DRIED WITH A MOISTURE CONTENT OF LESS THAN 19%. SILL PLATES AND PLATES IN CONTACT WITH MASONRY OR CONCRETE, AND WITHIN 6" OF GRADE, SHALL BE PRESSURE-TREATED, FASTEN BEAMS, COLUMNS, TRIMMER STUDS, AND TRIM STUDS COMPOSED OF MULTIPLE 2X MEMBERS WITH TWO ROWS OF 100 NAILS AT 12" ON CENTER, STAGGERED. WALL FRAMING SHALL BE AT 16" ON CENTER UNLESS NOTED OTHERWISE. BLOCKING SHALL BE 2X MEMBERS OF THE SAME DEPTH AS THE RAFTERS.

06 20 00 FINISH CARPENTRY

- SEE INTERIOR ELEVATIONS AND DETAILS FOR WOOD TRIM SIZES AND LOCATIONS.
- ALL WOOD SHALL BE POE LINO.
- TRIM GAPS SHALL NOT EXCEED 1/16" AT TRIM-TO-WALL LOCATIONS, OR 1/32" MAXIMUM AT TRIM-TO-TRIM LOCATIONS. SAND UNEVEN JOINTS FLUSH PRIOR TO FINISHING. FILL ALL HOLES AND DEFECTS WITH COLOR-MATCHING WOOD FILLER PRIOR TO APPLYING FINISHES.

06 41 00 ARCHITECTURAL WOOD CASEWORK/ CABINETS

1. SUMMARY/SCOPE

- THIS SECTION COVERS FACTORY-FINISHED STOCK WOOD CABINETRY (BASE, WALL, AND TALL UNITS AS SCHEDULED), COUNTERTOPS, CABINET HARDWARE, AND INSTALLATION.
- PROVIDE ALL CABINETS, FILLERS, TRIM, MOLDINGS, SCRIBE, BLOCKING, FASTENERS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND PROPERLY FITTED INSTALLATION AS SHOWN ON THE DRAWINGS.
- RELATED WORK: COUNTERTOPS (SPECIFIED IN THIS SECTION), AND PLASTIC-LAMINATE-CLAD COUNTERTOPS ELSEWHERE WHERE SCHEDULED (SECTION 12 36 23.13).

2. BASIS OF DESIGN

- BASIS OF DESIGN: KOUNTRY WOOD PRODUCTS (NAPPANEE, INDIANA), STOCK CABINETRY LINE, OR APPROVED EQUAL.
- DOOR STYLE: VANDERBURGH.
- DRAWER FRONT: 5-PIECE DRAWER FRONT.
- FINISH/COLOR: FACTORY APPLIED DESIGNER PAINT: CHAMPAGNE. EXPOSED CABINET BOX SIDES TO BE FINISHED IN THE SAME COLOR.
- SUBSTITUTIONS: SUBMIT PROPOSED EQUALS IN ACCORDANCE WITH SECTION 01 50 00. APPROVED EQUALS SHALL MATCH THE BASIS OF DESIGN IN DOOR STYLE, CONSTRUCTION, AND FINISH QUALITY.

3. SUBMITTALS

- PROVIDE PRODUCT DATA, A FINISH/COLOR SAMPLE IN THE SPECIFIED COLOR.

4. CABINET CONSTRUCTION

- CABINET FRONTS: SOLID WOOD FACE FRAMES, FRONT STILES POCKET-DRILLED AND ASSEMBLED WITH SCREWS.
- CABINET BOX: SIDE AND BACK PANELS OF 3/8 INCH VINYL-COVERED PARTICLEBOARD, OR THE MANUFACTURER'S PLYWOOD VENEER SHEET OPTION WHERE SCHEDULED. BASE CABINETS TO INCLUDE ALL-WOOD HANGING RAILS ON THE SIDES AND BACK.
- DOORS: MITERED CORNERS WITH MORTISE AND TENON JOINTS; 3/4 INCH BY 2-1/4 INCH SOLID WOOD RAILS; PAINTED DOORS USE THE MANUFACTURER'S COMPOSITE-BOARD DOOR FRAME; 1/2 INCH VENEER CENTER PANEL. HELD IN PLACE WITH SPACE BLADES IN THE DADOS TO ALLOW FOR EXPANSION AND CONTRACTION.
- 5-PIECE DRAWER FRONTS: CONSTRUCTED WITH MITERED CORNERS AND MORTISE AND TENON JOINTS TO MATCH THE VANDERBURGH DOOR. SEE DETAIL TO MATCH THE DOOR PROFILE.
- DRAWER BOXES: 1/2 INCH DEEP WITH BULLNOSE, FOLD-COVERED BULLNOSE TOP EDGES, AND DOVETAIL CONSTRUCTION, OR THE MANUFACTURER'S ALL-WOOD DRAWER BOX OPTION WHERE SCHEDULED; MOUNTED ON SELF-ADJUSTING BALL-BEARING NYLON GUIDES.
- PROVIDE THE MANUFACTURER'S SOFT-CLOSE OPTION FOR DOORS AND DRAWERS.

5. COUNTERTOPS

- REFER TO SECTION 12 36 23.13 PLASTIC-LAMINATE-CLAD COUNTERTOPS

6. HARDWARE

- DRAWER SLIDES: WHERE CABINETS ARE FURNISHED WITH THE MANUFACTURER'S STANDARD BALL-BEARING NYLON GUIDES, THOSE GUIDES ARE TO REMAIN. WHERE SCHEDULED, PROVIDE FULL-EXTENSION, COMMERCIAL-GRADE, SIDE-MOUNTED SLIDES WITH INTEGRAL STOPS (ACCURIDE INTERNATIONAL OR KNAPE & VOGT).
- HINGES: MANUFACTURER

ABBREVIATED SPECIFICATIONS CONT.

07 60 00 SHEET METAL FLASHING AND TRIM – VARIANT A (RECTANGULAR DOWNSPOUTS)

1. SHEET METAL: PREFINISHED GALVANIZED STEEL PER ASTM A653/A653M, G90/Z275 ZINC COATING, MINIMUM 0.02" THICK BASE METAL, PVDF COATING, COLOR TO MATCH SIDING AND ROOFING.
2. FASTENERS: GALVANIZED STEEL, WITH SOFT NEOPRENE WASHERS, UNDERLAYMENT: SEE WEATHER BARRIERS, SLIP SHEET: ROSIN-SIZED BUILDING PAPER, PROTECTIVE BACKING PAINT: ASPHALTIC MASTIC, ASTM D4479 TYPE I, PLASTIC CEMENT: ASTM D4586 TYPE I.
3. FABRICATION: FORM SECTIONS TRUE TO SHAPE, ACCURATE IN SIZE, SQUARE, AND FREE OF DISTORTION, FABRICATE CREASTS OF GALVANIZED SHEET METAL, MINIMUM WIDTH AS RECOMMENDED BY SMACNA UNLESS NOTED OTHERWISE, INTERLOCKING WITH THE SHEET, HEM EXPOSED EDGES ON THE UNDERSIDE 1/2"; MITER AND SEAL ALL CORNERS, FORM MATERIAL WITH FLAT FLANGE SEAMS UNLESS NOTED OTHERWISE, AT MOVING JOINTS, USE SEALED LAP JOINTS, BAYONET-TYPE, OR INTERLOCKING HOOKED SEAMS.
4. GUTTERS, PARAPET COPINGS/CAPS, AND DOWNSPOUTS PER DRAWINGS AND DETAILS, MEETING SMACNA GUIDELINES. DOWNSPOUTS: READING HANGERS, UNLESS NOTED OTHERWISE, AT MOVING JOINTS, USE SEALED LAP JOINTS, BAYONET-TYPE, OR INTERLOCKING HOOKED SEAMS.
5. JOINT SEALERS: SEALANT, AND CAULKING: LOW-VOC TITEBOND GREEN CHOICE OR SIMILAR LOW-VOC PRODUCTS.

07 92 00 JOINT SEALANTS

1. PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH THE JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY THE JOINT-SEALANT MANUFACTURERS TESTING AND FIELD EXPERIENCE.
2. COLORS: AS SELECTED BY THE ARCHITECT FROM THE MANUFACTURER'S FULL RANGE.

07 92 19 ACOUSTICAL JOINT SEALANTS

1. SUMMARY / SCOPE

1. THIS SECTION COVERS NON-HARDENING ACOUSTICAL JOINT SEALANT USED TO SEAL THE PERIMETERS AND PENETRATIONS IN SOUND-RATED ASSEMBLIES TO LIMIT AIRBORNE SOUND LEAKAGE.
2. PROVIDE ACOUSTICAL SEALANT AT THE PERIMETERS OF SOUND-RATED PARTITIONS, AT PENETRATIONS, AND AT THE SEAMS AND EDGES OF MASS LOADED VINYL SOUND BARRIERS (SECTION 09 81 00), AND ELSEWHERE AS INDICATED OR REQUIRED TO MAINTAIN THE RATINGS OF SOUND-RATED ASSEMBLIES.

2. MATERIALS

1. BASIS OF DESIGN: USE SHEETROCK ACOUSTICAL SEALANT, PECORA AC-20 FTR, OR APPROVED EQUAL.
2. PROVIDE COMPATIBLE BACKING MATERIALS WHERE REQUIRED FOR THE JOINT SIZE AND CONFIGURATION.
3. COLORS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

3. EXECUTION

1. APPLY ACOUSTICAL SEALANT IN CONTINUOUS BEADS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE TESTED ASSEMBLY DETAILS.
2. SEAL BOTH FACES OF SOUND-RATED PARTITIONS AT THE FLOOR, AT THE DECK OR TOP TRACK, AND AT THE PERIMETER WHERE THE PARTITION IS FULLY FUNCTIONAL SYSTEM.
3. SEAL AROUND ALL PENETRATIONS OF SOUND-RATED ASSEMBLIES, INCLUDING BOVES, CONDUIT, PIPING, AND DUCTS, TO CLOSE AIR PATHS.
4. SEAL CONCEALED JOINTS BEFORE THEY ARE COVERED BY FINISH MATERIALS. KEEP SEALANT OVER EXPOSED FINISH SURFACES, OR USE A PAINTABLE, EXPOSED-RATED SEALANT WHERE THE JOINT REMAINS VISIBLE.

DIVISION 08 OPENINGS

SECTION 08 14 00 WOOD DOORS:

1. MANUFACTURER: BASIS OF DESIGN IS SIMPSON DOOR COMPANY - 55 PROFILE SIM WITH OGEE STICKING
2. WOOD SPECIES: PAINT GRADE, POPLAR, PRIMED, PROVIDE SAMPLES TO OWNER AND ARCHITECT
3. THICKNESS: 1 3/8"; STYLE 4 1/2"
4. SWING DOORS SHALL BE SOLID CORE WITH WOOD VENEER

SECTION 08 41 13 ALUMINUM FRAMED STOREFRONTS

1. PROVIDE THERMALLY BROKEN ALUMINUM FRAMED STOREFRONT WITH VISION GLASS AND ALUMINUM DOORS AND FRAMES ALONG WITH ALL ASSOCIATED WEATHERSTRIPPING, DOOR HARDWARE AND PERIMETER SEALANT AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
2. GLAZED ALUMINUM DOORS: WIDE STYLE - THICKNESS 2 1/4"; STYLE WIDTH 5" WIDE WITH SQUARE GLAZING STOPS AND SAME FINISH AS STOREFRONT; 1" GLAZING UNIT, 10" BOTTOM RAIL
3. HARDWARE: REFER TO DOOR HARDWARE SCHEDULES
4. INSTALL STOREFRONT FRAME, GLAZING AND DOOR ASSEMBLIES AND ALL RELATED COMPONENTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS; PROVIDE TOUCH-UP MATERIALS FOR ALL FINISHES.

SECTION 08 71 00 – DOOR HARDWARE

BASE OF DESIGN: HARDWARE NECESSARY FOR COMPLETE FUNCTION. FINISHES SHALL BE DARK BRONZE, TYP. LEVER STYLE BASIS OF DESIGN TO BE SCHLAGE RHEDOS (RHO), TYP. CONTRACTOR TO SUBMIT WEATHERINTERFACE DIAGRAM FOR APPROVAL.

HW-1 (DOOR 106A) NEW DOOR IN (E) OPENING (ON LOSS OF POWER, ELECTRIFIED HARDWARE IS DISABLED, CONTRACTOR TO SUBMIT WIRING/INTERFACE DIAGRAM FOR APPROVAL. FREE EGRESS AT ALL TIMES.

RIM EXIT DEVICE, ELECTRIFIED: VON DUPRIN 9809 SERIES WITH REX OR EQ

ELECTRIC STRIKE: HES 9600, (VERIFY COWT070BILITY W/ IRRV) (E) OPERATORS IN EXISTING LOCATIONS.

CARD READER – ELECTRO-CONTROLS, OWNER FURNISHED, CONTRACTOR INSTALLED. GC TO COORDINATE WITH ELECTRO CONTROLS FOR INSTALLATION

DOOR POSITION SWITCH – SDC MC-4

ACCESS CONTROL POWER SUPPLY – ALRMONX OR EQ.

LOW ENERGY POWER OPERATOR – LCN 4642 SERIES OR EQ. GC VERIFY REOD ARM LENGTH

ACTUATORS – 2 LOCATIONS ON PLAN - MOUNT PER ACCESSIBILITY DETAILS

SIGNAGE – AUTOMATIC DOOR OPERATOR DEVICES (VIA SIDE) TO COMPLY WITH ANSI/HVMA A156.19

WIRELESS RECEIVERS (2) LCN 8310-865

ADA THRESHOLD

WEATHER STRIPPING

ADDITIONAL STOREFRONT HARDWARE PER STOREFRONT PROVIDER. HINGES, ETC.

HW-2 (DOOR103B) INSIDE LEVER ALWAYS FREE FOR IMMEDIATE EGRESS.

CARD READER – ELECTRO-CONTROLS, OWNER FURNISHED, CONTRACTOR INSTALLED. GC TO COORDINATE WITH ELECTRO CONTROLS FOR INSTALLATION.

HINGES – IVES 5581 OR EQ

ELECTRIC STRIKE: HES 7000

CYLINDRICAL LOCKSET: STOREROOM FUNCTION: SCHLAGE ND80. FREE EGRESS FROM INTERIOR

DOOR POSITION SWITCH

ACCESS CONTROL POWER SUPPLY

WALL STOP: IVES W5406 OR EQ.

SILENCERS: IVES SR84 OR EQ.

DOOR CLOSER: LCN

KEY CYLINDER/CORE: MATCH BUILDING KEYING STANDARD

HW-3 (DOORS 104A AND A04B)

HINGES – IVES 5581 OR EQ

WALL STOP: IVES W5406 OR EQ

SILENCERS: IVES SR84 OR EQ

CYLINDRICAL LOCKSET: OFFICE FUNCTION: SCHLAGE ND50PD OR EQ.

HW-4 (DOOR 106A) REPLACE (E) DOOR WITH NEW HW DOOR IN E FRAME. REPLACE (E) ADA OPERATOR. FREE EGRESS AT ALL TIMES

CONTINUOUS HINGE: IVES 224HD OR EQ, SIZED TO NEW DOOR AND EXISTING FRAME.

RIM EXIT DEVICE, ELECTRIFIED, REX SWITCH: VON DUPRIN 9809 SERIES WITH REX , OR EQ.

ELECTRIC STRIKE: HES 9600. SURFACE MOUNTED

EXTERIOR PULL TRIM

ACCESS CONTROL POWER SUPPLY – ALRMONX OR EQ.

LOW ENERGY POWER OPERATOR – LCN 4642 SERIES OR EQ. GC VERIFY REOD ARM LENGTH

ACTUATORS – 2 REPLACE (E) OPERATORS IN EXISTING LOCATIONS.

WIRELESS RECEIVERS (2) LCN 8310-865

CARD READER – ELECTRO-CONTROLS, OWNER FURNISHED, CONTRACTOR INSTALLED. GC TO COORDINATE WITH ELECTRO CONTROLS FOR INSTALLATION

DOOR POSITION SWITCH – SDC MC-4

WEATHERSTRIPPING

ADA THRESHOLD

HW-5 (DOOR 109 AND 110B) FREE EGRESS AT ALL TIMES

CYLINDRICAL LOCKSET: OFFICE FUNCTION: SCHLAGE ND50PD OR EQ.

HW-6 (DOOR 203 FREE EGRESS AT ALL TIMES

HINGES – IVES 5581 OR EQ

OVERHEAD DOOR STOP: GLYNN-JOHNSON 410 OR SIM.

SILENCERS: IVES SR84 OR EQ

CYLINDRICAL LOCKSET: STOREROOM FUNCTION: SCHLAGE ND80PD OR EQ.

08 87 00 GLAZING SURFACE FILMS

SCOPE: APPLIED GLAZING FILMS

2. BASIS OF DESIGN: DECORATIVEFILM.COM, SX-3140 DUSTED CRYSTAL OR SIM.
3. SUBMITTAL: PROVIDE SAMPLE TO COUNTY FOR APPROVAL
4. INSTALLATION: INSTALL PER MANUFACTURER'S RECOMMENDATIONS

09 FINISHES

09 29 00 GYPSUM BOARD

1. PROVIDE COMPLETE ASSEMBLIES COMPLYING WITH ASTM C 840 AND GA-216 AND IN CONFORMANCE WITH BEST TRADE PRACTICES.
2. TYPICAL GYPSUM WALL BOARD: PAPER FACED GYPSUM PANELS AS DEFINED IN ASTM C 1396/C 1396M, SIZES TO MINIMIZE JOINTS IN PLACE, VERTICAL AND HORIZONTAL SURFACES TO HAVE 5/8" THICKNESS.
- A. WET AREAS: PROVIDE MOLD AND MOISTURE RESISTANT GWB
- B. TYPE 'X' OR 'C' AS DENOTED IN WALL ASSEMBLIES
3. BACKING BOARD FOR TILE: SURFACES AROUND SHOWERS AND UTILITY SINKS; ANSI CEMENT BASED BOARD, NON-GYPSUM BASED, AGGREGATED PORTLAND CEMENT PANELS WITH GLASS FIBER MESH EMBEDDED IN FRONT AND BACK SURFACES COMPLYING WITH ANSI A118.9 OR ASTM C 1325 IN 5/8" THICKNESS.
4. JOINT MATERIALS: TAPE, 2" WIDE COATED GLASS FIBER FOR JOINTS AND CORNERS, READY-MIXED VINYL BASED COMPOUND.
5. WALL FINISH TEXTURE: SMOOTH
6. MAXIMUM VARIATION OF FINISHED GYPSUM BOARD SURFACE FROM TRUE FLATNESS: 1/8" IN 10 FEET IN ANY DIRECTION.

SECTION 09 51 13 ACOUSTICAL TILE CEILING

1. SUSPENDED ACOUSTICAL CEILINGS TO BE 2x4 SYSTEM, SEISMICALLY BRACED
2. CEILING GRID TO BE 1516" R20, ARMSTRONG PRELUDE XL 1516" EXPOSED TIE SYSTEM
3. CEILING TILE:
- A. C-1: FINE FISSURED TILE, SOURCED FROM DEMOUSHED CEILINGS IN PROJECT
- B. C-2: SMOOTH-FACE 2x4 ACOUSTICAL CEILING TILE WITH REVEALED REVEAL, MIN NRC 0.70, MIN CAC 35, CLASS A, BOD: ARMSTRONG ULTIMA BEVELED TEGULAR, USG MARS SLT, CERTAINTED PERFOMANCE MYPH OR EQ.

SECTION 09 65 19 LUXURY TILE FLOORING (GLUE DOWN LUXURY VINYL)

1. SUMMARY / SCOPE

1. THIS SECTION COVERS GLUE-DOWN LUXURY VINYL, TILE/PLANK FLOORING (LVT) AND RELATED ACCESSORIES AT THE LOCATIONS INDICATED ON THE DRAWINGS AND FINISH SCHEDULE.
2. PROVIDE FLOORING, ADHESIVE, TRANSITION AND EDGE TRIM, AND ALL PREPARATION, INSTALLATION, AND CLEANING REQUIRED FOR A COMPLETE INSTALLATION.
3. RELATED WORK: RESILIENT BASE (SECTION 09 65 13); LEAD-SAFE DISTURBANCE OF THE EXISTING PAINTED WOOD FLOOR (SECTION 02 83 00); AND PANEL UNDERLAYMENT OVER THE EXISTING WOOD FLOORING (SPECIFIED IN THIS SECTION).

2. REFERENCE STANDARDS

1. ASTM F1700: STANDARD SPECIFICATION FOR SOLID VINYL FLOOR TILE.
2. ASTM F1482: STANDARD PRACTICE FOR INSTALLATION AND PREPARATION OF PANEL TYPE UNDERLAYMENTS TO RECEIVE RESILIENT FLOORING.
3. VERIFY WOOD SUBSTRATE AND UNDERLAYMENT MOISTURE CONTENT WITH A MOISTURE METER, WITHIN THE FLOORING AND ADHESIVE MANUFACTURERS' ACCEPTABLE LIMITS, BEFORE INSTALLATION.
4. COMPLY WITH THE FLOORING AND ADHESIVE MANUFACTURERS' WRITTEN INSTALLATION INSTRUCTIONS, WHERE REQUIREMENTS DIFFER, THE MORE STRINGENT APPLICABLE REQUIREMENT GOVERNS.

3. SUBMITTALS

1. PRODUCT DATA FOR THE FLOORING, ADHESIVE, AND TRIM/TRANSITIONS.
2. SAMPLES OF EACH FLOORING COLOR/PATTERN SCHEDULED, FOR VERIFICATION.
3. MANUFACTURER'S INSTALLATION AND MAINTENANCE INSTRUCTIONS, AND WARRANTY DOCUMENTATION.
4. SUBSTRATE MOISTURE TEST RESULTS (WOOD MOISTURE CONTENT) PRIOR TO INSTALLATION.

4. MATERIALS

1. LUXURY VINYL TILE/PLANK (GLUE-DOWN); BASIS OF DESIGN TAS FLOORING CONCORD COLLECTION, OR APPROVED EQUAL.
2. CONSTRUCTION: SOLID LUXURY VINYL, GLUE-DOWN (FULL-SPREAD ADHESIVE).
3. CLASSIFICATION: ASTM F1700, CLASS II (PRINTED FILM), TYPE B (EMBOSSED).
4. NOMINAL SIZE: 7 INCHES WIDE BY 48 INCHES LONG.
5. OVERALL THICKNESS: 2.5 MM, WEAR LAYER: 20 MIL.
6. FINISH: POLYURETHANE GLAZE AND WEAR COAT, TEXTURE: EMBOSSED, EDGE PROFILE: SQUARE EDGE (4-SIDED), CERTIFICATION: FLOORSORE CERTIFIED; PHTHALATE-FREE.
7. COLOR AND PATTERN: REFER TO PLANS AND FINISH SCHEDULE
8. ADHESIVE: FULLY WET-SET, RESILIENT, AS RECOMMENDED BY THE FLOORING MANUFACTURER FOR GLUE-DOWN LVT OVER THE PREPARED WOOD SUBSTRATE OR UNDERLAYMENT; LOW VOC.
9. TRIM AND TRANSITIONS: MANUFACTURER'S RECOMMENDED TRANSITION STRIPS, REDUCERS, AND EDGE TRIM AS REQUIRED AT MATERIAL CHANGES AND EXPOSED EDGES.

5. SUBSTRATE PREPARATION

1. EXISTING WOOD FLOORING SUBSTRATE: VERIFY THE EXISTING WOOD FLOOR IS STRUCTURALLY SOUND, SECURELY FASTENED, AND FREE OF MOVEMENT, SQUEAKS, AND DEFLECTION. RE-SECURE LOOSE BOARDS AND SET PROTRUDING FASTENERS.
2. DEFAULT METHOD (UNDERLAYMENT): INSTALL AN APPROVED PANEL UNDERLAYMENT (APA-RATED UNDERLAYMENT- GRADE PLYWOOD OR THE FLOORING MANUFACTURERS APPROVED UNDERLAYMENT) OVER THE EXISTING WOOD FLOOR IN ACCORDANCE WITH ASTM F1482 AND THE MANUFACTURER'S INSTRUCTIONS, FASTEN PER ASTM F1482, FILL AND SAND JOINTS AND FASTENER DEPRESSIONS FLUSH, AND PROVIDE A SMOOTH, CLEAN, DRY SURFACE READY TO RECEIVE FULL-SPREAD ADHESIVE. INSTALLING THE UNDERLAYMENT OVER THE PAINTED FLOOR ALSO ENCAPSULATES THE LEAD-PAINTED SURFACE AND MINIMIZES ITS DISTURBANCE.
3. ALTERNATE METHOD (DIRECT PREPARATION): WHERE THE FLOORING IS APPLIED DIRECTLY TO THE EXISTING WOOD FLOOR RATHER THAN TO AN UNDERLAYMENT, PREPARE THE WOOD FLOOR TO THE FLOORING MANUFACTURERS' SUBSTRATE REQUIREMENTS FOR CLEAN, SOUND, FLAT, SMOOTH, AND FREE OF PAINT, WAX, FINISHES, AND OTHER CONTAMINANTS THAT WOULD IMPAIR BOND, WITH GAPS AND JOINTS FILLED. NOTE THAT THIS REQUIRES REMOVING THE EXISTING PAINT FROM THE BONDING SURFACE.
4. LEAD-BASED PAINT: THE EXISTING WOOD FLOOR IS COATED WITH LEAD-BASED PAINT, WHEREVER THE PAINTED FLOOR IS SANDED, ABRADED, OR DISTURBED (INCLUDING FASTENING UNDERLAYMENT THROUGH THE FLOOR, OR REMOVING PAINT FOR DIRECT PREPARATION), COMPLY WITH SECTION 02 83 00 (LEAD-SAFE WORK PRACTICES) AND OSHA 29 CFR 1926.62.
5. FLATNESS: FINISHED SUBSTRATE (UNDERLAYMENT OR PREPARED FLOOR) SHALL BE FLAT TO WITHIN 3/16 INCH IN 10 FEET UNLESS THE MANUFACTURER REQUIRES A TIGHTER TOLERANCE. FILL LOW SPOTS AND SAND HIGH SPOTS WITH A COMPATIBLE PATCHING COMPOUND.
6. VERIFY MOISTURE CONTENT OF THE WOOD SUBSTRATE AND UNDERLAYMENT WITH A MOISTURE METER, WITHIN THE FLOORING AND ADHESIVE MANUFACTURERS' LIMITS, BEFORE INSTALLATION. DO NOT BEGIN INSTALLATION UNTIL THE SUBSTRATE IS ACCEPTABLE AND TEST RESULTS ARE WITHIN LIMITS.

6. INSTALLATION

1. ACCLIMATE FLOORING AND ADHESIVE IN THE SPACE AT THE MANUFACTURER'S REQUIRED TEMPERATURE AND HUMIDITY FOR THE REQUIRED PERIOD BEFORE, DURING, AND AFTER INSTALLATION. MAINTAIN THE MANUFACTURER'S REQUIRED CONDITIONS.
2. INSTALL FLOORING IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, IN THE PATTERN AND LAYOUT INDICATED. LAY OUT TO BALANCE BORDER WIDTHS AND TO AVOID NARROW SLIVERS AT WALLS.
3. APPLY ADHESIVE WITH THE MANUFACTURER'S RECOMMENDED TROWEL, OBSERVE THE REQUIRED OPEN TIME, AND ROLL THE FLOORING TO ACHIEVE FULL TRANSFER AND BOND. DO NOT SLIDE PLANKS INTO PLACE IN A MANNER THAT PUSHES ADHESIVE UP INTO JOINTS.
4. CUT FLOORING TIGHT TO WALLS, PENETRATIONS, AND FIXTURES, AND INSTALL TRANSITION AND EDGE TRIM AT MATERIAL CHANGES AND EXPOSED EDGES.
5. PROTECT THE INSTALLED FLOOR FROM TRAFFIC AND LOADING FOR THE PERIOD REQUIRED BY THE ADHESIVE MANUFACTURER.

7. CLEANING AND PROTECTION

1. AFTER THE ADHESIVE HAS CURED, CLEAN THE FLOORING AND PERFORM INITIAL MAINTENANCE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. PROTECT THE FINISHED FLOOR FROM DAMAGE UNTIL SUBSTANTIAL COMPLETION. REPLACE FLOORING THAT IS DAMAGED, LIFTED, OR NOT FULLY BONDED.
3. PROVIDE THE OWNER WITH A MOCKUP OF EACH FLOORING TYPE/COLOR AS REQUIRED BY THE FINISH SCHEDULE OR OWNER, IN FULL CARTONS, LABELED.

09 65 13 TILE CARPETING (CARPET TILE) AND SHEET CARPETING

1. SUMMARY / SCOPE

1. THIS SECTION COVERS MODULAR CARPET TILE, SHEET CARPETING AND RELATED ACCESSORIES AT THE LOCATIONS INDICATED ON THE DRAWINGS AND FINISH SCHEDULE.
2. PROVIDE CARPET TILE, ADHESIVE, TRANSITION, LAYOUT, INSTALLATION, AND CLEANING REQUIRED FOR A COMPLETE INSTALLATION.
3. RELATED WORK: RESILIENT BASE (SECTION 09 65 13); LEAD-SAFE DISTURBANCE OF THE EXISTING PAINTED WOOD FLOOR (SECTION 02 83 00); AND PANEL UNDERLAYMENT OVER THE EXISTING WOOD FLOORING (SPECIFIED IN THIS SECTION).

2. REFERENCE STANDARDS

1. CRI CARPET INSTALLATION STANDARD (ANSI/CRI 104) FOR COMMERCIAL CARPET INSTALLATION.
2. ASTM F1482: STANDARD PRACTICE FOR INSTALLATION AND PREPARATION OF PANEL TYPE UNDERLAYMENTS (APPLIED HERE TO PREPARE THE WOOD SUBSTRATE TO RECEIVE THE CARPET TILE).
3. VERIFY WOOD SUBSTRATE AND UNDERLAYMENT MOISTURE CONTENT WITH A MOISTURE METER, WITHIN THE CARPET AND ADHESIVE MANUFACTURERS' ACCEPTABLE LIMITS, BEFORE INSTALLATION.
4. COMPLY WITH THE CARPET AND ADHESIVE MANUFACTURERS' WRITTEN INSTALLATION INSTRUCTIONS, WHERE REQUIREMENTS DIFFER, THE MORE STRINGENT APPLICABLE REQUIREMENT GOVERNS.

3. SUBMITTALS

1. PRODUCT DATA FOR THE CARPET TILE, BROADLOOM CARPET AND ADHESIVE.
2. SAMPLES OF EACH FINISH SCHEDULED, FOR VERIFICATION.
3. MANUFACTURER'S INSTALLATION AND MAINTENANCE INSTRUCTIONS AND WARRANTY DOCUMENTATION.
4. SEAMING/LAYOUT DIAGRAM INDICATING TILE DIRECTION, INSTALLATION PATTERN, AND BORDER CONDITIONS WHERE REQUIRED.
5. SUBSTRATE MOISTURE TEST RESULTS PRIOR TO INSTALLATION.

4. MATERIALS

1. PRODUCT: REFER TO THE FINISH SCHEDULE FOR BASIS OF DESIGN PRODUCTS.
2. FIBER: TYPE 6.6 NYLON.
3. BACKING: MANUFACTURER'S MODULAR CARPET-TILE BACKING SYSTEM.
4. TILE SIZE: AS SPECIFIED, DYE METHOD, TEXTURE/APPEARANCE/RETENTION RATING (TARR), AND INSTALLATION PATTERN, AS SPECIFIED FOR THE BASIS-OF-DESIGN PRODUCT ON THE FINISH SCHEDULE AND THE MANUFACTURER'S CUT SHEET.
5. ADHESIVE: CARPET-TILE ADHESIVE AS RECOMMENDED BY THE CARPET MANUFACTURER FOR MODULAR TILE (RELEASEABLE PRESSURE-SENSITIVE ADHESIVE UNLESS OTHERWISE REQUIRED); LOW VOC.
6. TRIM AND TRANSITIONS: MANUFACTURER'S RECOMMENDED EDGE TRIM AND TRANSITION STRIPS AT MATERIAL CHANGES AND EXPOSED EDGES.

5. SUBSTRATE PREPARATION

1. EXISTING WOOD FLOORING SUBSTRATE: VERIFY THE EXISTING WOOD FLOOR IS STRUCTURALLY SOUND, SECURELY FASTENED, AND FREE OF MOVEMENT, SQUEAKS, AND DEFLECTION. RE-SECURE LOOSE BOARDS AND SET PROTRUDING FASTENERS.
2. DEFAULT METHOD (DIRECT PREPARATION): WHERE CARPET TILE IS APPLIED DIRECTLY TO THE EXISTING WOOD FLOOR, PREPARE THE WOOD FLOOR TO THE CARPET AND ADHESIVE MANUFACTURERS' SUBSTRATE REQUIREMENTS: CLEAN, SOUND, SMOOTH, AND UNIFORM SURFACE SUITABLE FOR THE PRESSURE-SENSITIVE ADHESIVE TO DEVELOP BOND, AND WITH GAPS AND JOINTS FILLED.
3. ALTERNATE METHOD (UNDERLAYMENT): INSTALL AN APPROVED PANEL UNDERLAYMENT (APA-RATED UNDERLAYMENT- GRADE PLYWOOD OR THE CARPET MANUFACTURERS APPROVED UNDERLAYMENT) OVER THE EXISTING WOOD FLOOR IN ACCORDANCE WITH ASTM F1482 AND THE MANUFACTURER'S INSTRUCTIONS, FASTEN PER ASTM F1482, FILL AND SAND JOINTS AND FASTENER DEPRESSIONS FLUSH, AND PROVIDE A SMOOTH, CLEAN, DRY SURFACE READY TO RECEIVE CARPET-TILE ADHESIVE. INSTALLING THE UNDERLAYMENT OVER THE PAINTED FLOOR ALSO ENCAPSULATES THE LEAD-PAINTED SURFACE AND MINIMIZES ITS DISTURBANCE.
4. LEAD-BASED PAINT: THE EXISTING WOOD FLOOR IS COATED WITH LEAD-BASED PAINT, WHEREVER THE PAINTED FLOOR IS SANDED, ABRADED, OR DISTURBED (INCLUDING FASTENING UNDERLAYMENT THROUGH THE FLOOR, OR PREPARING THE FLOOR DIRECTLY), COMPLY WITH SECTION 02 83 00 (LEAD-SAFE WORK PRACTICES) AND OSHA 29 CFR 1926.62. DO NOT DRY-SAND OR GRIND THE LEAD-PAINTED FLOOR.
5. VERIFY MOISTURE CONTENT OF THE WOOD SUBSTRATE AND UNDERLAYMENT WITH A MOISTURE METER, WITHIN THE CARPET AND ADHESIVE MANUFACTURERS' LIMITS, BEFORE INSTALLATION. DO NOT BEGIN INSTALLATION UNTIL THE SUBSTRATE IS ACCEPTABLE.

6. INSTALLATION

1. ACCLIMATE CARPET TILE AND ADHESIVE IN THE SPACE AT THE MANUFACTURER'S REQUIRED TEMPERATURE AND HUMIDITY FOR THE REQUIRED PERIOD BEFORE, DURING, AND AFTER INSTALLATION.
2. INSTALL CARPET TILE IN ACCORDANCE WITH THE CRI CARPET INSTALLATION STANDARD AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS, IN THE INSTALLATION PATTERN AND TILE DIRECTION INDICATED ON THE FINISH SCHEDULE AND LAYOUT DIAGRAM.
3. LAY OUT THE INSTALLATION FROM THE CENTER OF THE SPACE OR AS REQUIRED TO BALANCE BORDER TILES, AND TO AVOID NARROW BORDER SLIVERS AT WALLS. MAINTAIN TILE DIRECTION/ARROWS CONSISTENTLY PER THE SPECIFIED PATTERN.
4. APPLY THE MANUFACTURER'S RECOMMENDED ADHESIVE WITH THE CORRECT TROWEL OR APPLICATOR, OBSERVE OPEN TIME, AND SEAT TILES FIRMLY WITH TIGHT, ALIGNED JOINTS AND NO GAPS, PEAKING, OR FLUZZING AT EDGES.
5. CUT TILES TIGHTLY TO WALLS, PENETRATIONS, AND FIXTURES, AND INSTALL TRANSITION AND EDGE TRIM AT MATERIAL CHANGES AND EXPOSED EDGES.
6. STAIN PROFILE: INSTALL AS WATERFALL, MAINTAIN A CONSISTENT PROFILE ON ALL STAIRS, AVOID SEAMS, WHERE STAIRS ARE REQUIRED, LOCATE AT BACK OF TREAD AT READIRISER JUNCTION, ENSURE THE COMPLETED STAIR INSTALLATION IS FIRMLY AND UNIFORMLY ANCHORED THROUGHOUT FOR SAFETY, WITH NO LOOSE EDGES, RIPPLES, OR TRIP HAZARDS.
7. PROTECT THE INSTALLED CARPET FROM TRAFFIC AND SOILING FOR THE PERIOD REQUIRED BY THE ADHESIVE MANUFACTURER.

7. CLEANING AND PROTECTION

1. REMOVE ADHESIVE RESIDUE, VACUUM, AND CLEAN THE INSTALLED CARPET PER THE MANUFACTURER'S INSTRUCTIONS.
2. PROTECT THE FINISHED CARPET FROM DAMAGE AND SOILING UNTIL SUBSTANTIAL COMPLETION. REPLACE TILES THAT ARE DAMAGED, POORLY BONDED, OR MISALIGNED.
3. PROVIDE THE OWNER WITH ATTIC STOCK OF EACH CARPET TILE TYPE/COLOR AS REQUIRED BY THE FINISH SCHEDULE OR OWNER, IN FULL CARTONS, LABELED.

09 81 00 ACOUSTIC INSULATION (MASS LOADED VINYL SOUND BARRIER)

1. SUMMARY / SCOPE

1. PROVIDE MLV, FASTENERS, SEAM AND PERIMETER SEALING, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE, CONTINUOUS, AND AIRTIGHT BARRIER AT THE LOCATIONS INDICATED ON THE DRAWINGS AND IN THE PARTITION SCHEDULE.

2. PERFORMANCE REQUIREMENTS

1. WHERE AN ASSEMBLY STC IS NOT OTHERWISE INDICATED FOR A DESIGNATED SOUND-RATED PARTITION, PROVIDE 2 LBSF MLV AS A MINIMUM, INSTALLED AS A CONTINUOUS, SEALED BARRIER.
2. MAINTAIN THE CONTINUOUS BARRIER ACROSS THE FULL AREA OF EACH RATED PARTITION, INCLUDING AT THE FLOOR, AT THE DECK OR TOP TRACK, AND AROUND ALL PENETRATIONS.

4. MATERIALS

1. MASS LOADED VINYL: HIGH-DENSITY, TRIM-MASS, CALCIUM-CARBONATE-FILLED (BARIUM-FREE) VINYL SHEET SOUND BARRIER.
2. WEIGHT: 2 LBSF (NOMINAL 1/4 INCH THICK)
3. SURFACE BURNING CHARACTERISTICS: CLASS A PER ASTM E84 (FLAME-SPREAD INDEX OF 25 OR LESS, SMOKE-DEVELOPED INDEX OF 450 OR LESS).
4. PROVIDE REINFORCED OR SCRIM-FACED PRODUCT WHERE REQUIRED FOR TEAR RESISTANCE AND FOR HANGING ON FRAMING.
5. BASIS OF DESIGN: SOUND SEAL DB-BLOC, OR A COMPARABLE PRODUCT BY ACOUSTICAL SURFACES, KINETICS NOISE CONTROL, OR APPROVED EQUAL.

5. ACCESSORIES

1. ACOUSTICAL SEALANT: NON-HARDENING, NON-SKINNING ACOUSTICAL SEALANT RECOMMENDED BY THE MLV MANUFACTURER, FOR SEALING SEAMS, PERIMETERS, AND PENETRATIONS.
2. SEAM TAPE: MANUFACTURER'S RECOMMENDED TAPE FOR SEALING OVERLAPPED OR BUTTED SEAMS.
3. FASTENERS: AS RECOMMENDED BY THE MANUFACTURER FOR THE SUBSTRATE (CAP STAPLES, CAP NAILS, OR SCREWS WITH WASHERS), OF A TYPE AND SPACING THAT HOLD THE BARRIER FLAT AND CONTINUOUS.

6. EXECUTION

1. INSTALL MLV IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND THE WALL DETAILS.

09 81 13 ACOUSTIC BATT INSULATION

1. SUMMARY / SCOPE

1. PROVIDE ACOUSTIC BATT INSULATION IN SOUND-RATED PARTITIONS AND IN OTHER PARTITIONS AND CEILINGS WHERE INDICATED ON THE DRAWINGS AND IN THE PARTITION SCHEDULE.

2. MATERIALS

1. ACOUSTIC BATT: UNFACED MINERAL WOOL OR FIBERGLASS BATT INSULATION INTENDED FOR ACOUSTIC USE, FRICTION-FIT, SIZED TO FULLY FILL THE CAVITY DEPTH AND WIDTH WITHOUT GAPS OR COMPRESSION.
2. SURFACE BURNING CHARACTERISTICS: FLAME-SPREAD INDEX OF 25 OR LESS AND SMOKE-DEVELOPED INDEX OF 450 OR LESS PER ASTM E84, FOR CONCEALED INSTALLATION.
3. BASIS OF DESIGN: MINERAL WOOL ACOUSTIC BATT (ROCKWOOL SAFESOUND) OR FIBERGLASS ACOUSTIC BATT (OWENS CORNING OR CERTAINTED ACOUSTIC BATT), OR APPROVED EQUAL.

3. EXECUTION

1. INSTALL BATTS TO COMPLETELY FILL THE CAVITY, TIGHT TO FRAMING AND TO THE FULL HEIGHT AND WIDTH OF THE CAVITY, WITHOUT GAPS, VOIDS, OR COMPRESSION.
2. FIT BATTS CAREFULLY AROUND OUTLET BOXES, BLOCKING, PIPES, CONDUIT, AND OTHER OBSTRUCTIONS SO THE CAVITY REMAINS FULLY FILLED.
3. WHERE PARTITIONS EXTEND TO THE STRUCTURAL DECK, FILL THE CAVITY FULL HEIGHT, MAINTAIN THE FILL CONTINUOUSLY ACROSS THE RATED AREA.
4. DO NOT INSTALL ACOUSTIC BATT WHERE IT WILL INTERFERE WITH REQUIRED FIRE-STOPPING, AND COORDINATE WITH THE LABOR REQUIREMENTS OF SECTIONS 07 92 19A AND 09 81 00 SO THAT THE COMPLETED ASSEMBLY ACHIEVES ITS RATING.

09 81 00 PAINTING

1. SUMMARY / SCOPE

1. THIS SECTION COVERS THE SURFACE PREPARATION, PRIMING, AND FINISH PAINTING OF INTERIOR AND EXTERIOR SURFACES SCHEDULED TO BE PAINTED, INCLUDING THE VARIOUS SUBSTRATES PRESENT ON THIS PROJECT.
2. SUBSTRATES TO BE PAINTED ON THIS PROJECT INCLUDE: FAUX BRICK, SMOOTH, DE-GLOSS, REMOVED SURFACES: REAL, ROUGH-SAWN CEILING WAINSCOT; VINYL WALLCOVERING, TEXTURED (BAMBOO-STYLE) WALLCOVERING, WOOD SHELVING, EXISTING WOOD DOOR AND WINDOW TRIM (CHIPPED AND WORN); PREVIOUSLY STAINED DOOR PANELS TO BE PAINTED; AND STANDARD GYPSUM BOARD, UNLESS NOTED OTHERWISE ON PLANS.
3. PROVIDE ALL LABOR, MATERIALS, CLEANING, AND FINISH COATS REQUIRED TO PRODUCE A SOUND, UNIFORM, AND DURABLE PAINTED FINISH APPROPRIATE TO EACH SUBSTRATE.
4. RELATED WORK: PREPARATION FOR LEAD-SAFE DISTURBANCE OF EXISTING COATINGS (SECTION 02 83 00).

2. SUBMITTALS AND MOCKUPS

1. PRODUCT DATA FOR EACH PAINT AND COATING PRODUCT, INCLUDING THE MANUFACTURER'S RECOMMENDED PRIMER AND SYSTEM FOR EACH SCHEDULED SUBSTRATE.
2. SAMPLES: SUBMIT COLOR SAMPLES FOR EACH SCHEDULED COLOR.
3. MOCKUPS: PROVIDE ON-SITE 2'x3' MOCKUPS OF SELECTED COLORS ON 2 WALL SURFACES (ONE ON WINDOW WALL, ONE ON OPPOSITE WALL). PROVIDE MOCKUPS AS DETAILED IN WALLPAPER PAINTINGS LISTED BELOW.
4. MANUFACTURER'S WRITTEN RECOMMENDATIONS FOR PREPARATION AND PRIMING OF EACH SUBSTRATE COVERED BY THIS SECTION.

3. MATERIALS AND PAINT SYSTEMS

1. PROVIDE ALL PAINT AND COATING PRODUCTS USED IN ANY INDIVIDUAL SYSTEM FROM THE SAME MANUFACTURER, NO EXCEPTIONS.
2. ACCEPTABLE PAINT MANUFACTURERS: ICI PAINTS, BENJAMIN MOORE & CO., PPG ARCHITECTURAL FINISHES, PRATT & LAMBERT PAINTS, AND SHERWIN-WILLIAMS PAINTS.
3. PAINT SYSTEM G1-0P-3L (GYPSUM BOARD, LATEX, 3 COAT): ONE COAT ALKYL PRIMER SEALER, TWO COATS OF LATEX-ACRYLIC ENAMEL.
4. PAINT SYSTEM M1-0P-2L (FERROUS METALS, PRIMED, LATEX, 2 COAT): TOUCH UP WITH LATEX PRIMER, THEN TWO COATS OF LATEX ENAMEL.
5. FOR SUBSTRATES NOT ADDRESSED BY THE SYSTEMS ABOVE, PROVIDE THE MANUFACTURER'S RECOMMENDED PRIMER AND FINISH SYSTEM FOR THAT SPECIFIC SUBSTRATE AND EXPOSURE.
6. ALL APPLICATIONS PER THE MANUFACTURER'S RECOMMENDATIONS, AND USING PRIMERS AND FINISHES THAT ARE COMPATIBLE WITHIN EACH SYSTEM.

4. GENERAL PREPARATION REQUIREMENTS

1. PREPARE ALL SURFACES IN ACCORDANCE WITH THE MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL, THE COATING MANUFACTURER'S WRITTEN RECOMMENDATIONS FOR EACH SUBSTRATE, AND BEST TRADE PRACTICES, WHERE THESE DIFFER. COMPLY WITH THE MORE STRINGENT REQUIREMENT.
2. ALL SURFACES SHALL BE CLEAN, DRY, SOUND, AND FREE OF DUST, GRAN, OIL, WAX, MILDEW, EFFLORESCENCE, LOOSE OR PEELING COATINGS, AND OTHER CONTAMINANTS BEFORE PRIMING.
3. REPAIR AND PATCH DEFECTS, FILL HOLES AND CRACKS, AND SAND PATCHED AREAS SMOOTH AND FLUSH BEFORE PRIMING. SPOT-PRIME ALL SURFACES APPLYING FINISH COATS.
4. MASK OR REMOVE HARDWARE, FIXTURES, AND ACCESSORIES PRIOR TO PAINTING, AND PROTECT ADJACENT SURFACES NOT SCHEDULED TO BE PAINTED. BACK-PRIME OR BACK-PAINT TRIM AND OTHER FINISH WORK PRIOR TO INSTALLATION WHERE RECOMMENDED.
5. PROVIDE A MOCKUP OF EACH SUBSTRATE/COATING SYSTEM FOR THE ARCHITECT'S REVIEW AND APPROVAL BEFORE PROCEEDING WITH THE REPRESENTED WORK. APPROVED MOCKUPS ESTABLISH THE STANDARD OF QUALITY.
6. LEAD-BASED PAINT: ON THIS PRE-1978 BUILDING, COMPLY WITH SECTION 02 83 00 (LEAD-SAFE WORK PRACTICES) AND OSHA 29 CFR 1926.62 WHEREVER EXISTING COATINGS ARE SANDED, SCRAPED, OR OTHERWISE DISTURBED. DO NOT DRY-SAND EXISTING COATINGS THAT MAY CONTAIN LEAD.

5. SUBSTRATE SPECIFIC PREPARATION

1. FAUX BRICK: CLEAN TO REMOVE DUST, GREASE, AND LOOSE MATERIAL. DE-GLOSS OR ABRASE SLICK SURFACES AS RECOMMENDED BY THE COATING MANUFACTURER. WHERE THE SUBSTRATE IS PLASTIC, FOAM, OR AN UNKNOWN FACTORY FINISH, VERIFY ADHESION WITH THE MANUFACTURER AND PRIMER. APPLY A BONDING PRIMER SUITED TO THAT SUBSTRATE. PRIME WITH THE MANUFACTURER'S RECOMMENDED PRIMER FOR THE MATERIAL BEFORE FINISH COATS.
2. SMOOTH WOOD PANELING WITH GROOVES: CLEAN AND DEGREASE THOROUGHLY TO REMOVE WAX, POLISH, AND FILM. LIGHTLY SAND TO DE-GLOSS THE FACTORY FINISH AND PROVIDE TOOTH, WITHOUT CUTTING THROUGH TO BARE SUBSTRATE UNNECESSARILY. FILL GROOVES ONLY WHERE THE DRAWINGS CALL FOR A FLUSH APPEARANCE; OTHERWISE LEAVE GROOVES AS-IS. APPLY A STAIN-BLOCKING BONDING PRIMER TO PREVENT BLEED-THROUGH, PREVIOUSLY FINISHED PANELING TO PREVENT BLEED-THROUGH AND TO PROMOTE ADHESION.
3. ROUGH-SAWN WOOD WAINSCOT: CLEAN TO REMOVE DUST AND DEBRIS. SET AND COUNTERSINK ANY FASTENERS. FILL AS REQUIRED WITH STAIN-BLOCKING PRIMER. WHERE TRIM IS TOO DISTURBED FOR FILLER AND SAND REPAIR TO PRODUCE A CLEAN FINISH, THE ARCHITECT MAY DESIGNATE THOSE RUNS FOR REPLACEMENT.
4. VINYL WALLCOVERING: EVALUATE THE EXISTING WALLCOVERING FOR SOUND ADHESION. RE-ADHERE OR REMOVE AND REPAIR LOOSE AREAS, WHERE THE OWNER ELECTS TO PAINT OVER VINYL WALLCOVERING RATHER THAN REMOVE IT, CLEAN TO REMOVE DIRT AND RESIDUE, AND APPLY A BONDING PRIMER RECOMMENDED FOR VINYL WALLCOVERING. PROVIDE A MOCKUP AND OBTAIN APPROVAL BEFORE PROCEEDING. NOTIFY TEXTURED (BAMBOO-STYLE) WALLCOVERING: EVALUATE FOR SOUND ADHESION AS ABOVE, WHERE THE OWNER ELECTS TO PAINT OVER IT, CLEAN, SEAL, AND PRIME WITH A BONDING PRIMER RECOMMENDED FOR THE WALLCOVERING TYPE. PROVIDE A MOCKUP AND OBTAIN APPROVAL BEFORE PROCEEDING.
5. WOOD SHELVING, CLEAN AND DEGREASE. SAND TO DE-GLOSS FACTORY FINISHES AND TO SMOOTH RAISED GRAIN. FILL DEFECTS AND SAND FLUSH. APPLY A PRIMER RECOMMENDED FOR THE SHELVING MATERIAL (BARE WOOD, PREVIOUSLY FINISHED WOOD, OR LAMINATE/MELAMINE). FOR LAMINATE OR MELAMINE SURFACES, PROVIDE A BONDING PRIMER SUITED TO NON-POROUS FACTORY FINISHES.
6. EXISTING WOOD DOOR AND WINDOW TRIM: CLEAN AND DEGREASE. REMOVE LOOSE, PEELING, AND FAILED COATING, AND FEATHER-SAND THE EDGES OF REMAINING SOUND COATING SO REPAIRS ARE NOT VISIBLE IN THE FINISHED WORK. FILL CHIPS, COUGES, DENTS, AND NAIL HOLES WITH A HARD-SETTING WOOD FILLER; SAND FLUSH AND SMOOTH. DE-GLOSS REMAINING INTERIOR COATING TO PROVIDE TOOTH. SET AND FILL ANY EXPOSED FASTENERS. SPOT-PRIME ALL BARE WOOD, FILLED AREAS, AND FEATHERED EDGES WITH A PRIMER SUITED TO PREVIOUSLY PAINTED WOOD BEFORE APPLYING FINISH COATS; WHERE BARE WOOD IS EXPOSED AT KNOTS OR TANNIN-RICH AREAS, USE A STAIN-BLOCKING PRIMER. WHERE TRIM IS TOO DISTURBED FOR FILLER AND SAND REPAIR TO PRODUCE A CLEAN FINISH, THE ARCHITECT MAY DESIGNATE THOSE RUNS FOR REPLACEMENT.
7. PREPARE AND PRIME REPLACEMENT TRIM AS NEW WOOD TRIM.
8. PREVIOUSLY STAINED DOOR PANELS/ TRIM TO BE PAINTED: CLEAN AND DEGREASE THOROUGHLY TO REMOVE WAX, POLISH, AND OILS FROM THE STAINED/SEALED SURFACE. SAND TO DE-GLOSS THE EXISTING STAIN OR CLEAR FINISH AND PROVIDE TOOTH, WITHOUT GOUGING THE WOOD. FILL DEFECTS AND SAND FLUSH. APPLY A STAIN-BLOCKING BONDING PRIMER RECOMMENDED FOR PREVIOUSLY STAINED AND SEALED WOOD TO PROMOTE ADHESION AND TO PREVENT THE STAIN FROM BLEEDING THROUGH THE PAINT. CONFIRM COVERAGE OF THE PRIMER BEFORE APPLYING FINISH COATS.
9. STANDARD GYPSUM BOARD: REMOVE DUST, REPAIR AND SAND JOINTS, FASTENERS, AND DAMAGED AREAS TO A SMOOTH, FLUSH CONDITION MATCHING THE SURROUNDING SURFACE. PRIME WITH A LATEX PRIMER/SEALER (PAINT SYSTEM G1-0P-3L) BEFORE FINISH COATS.

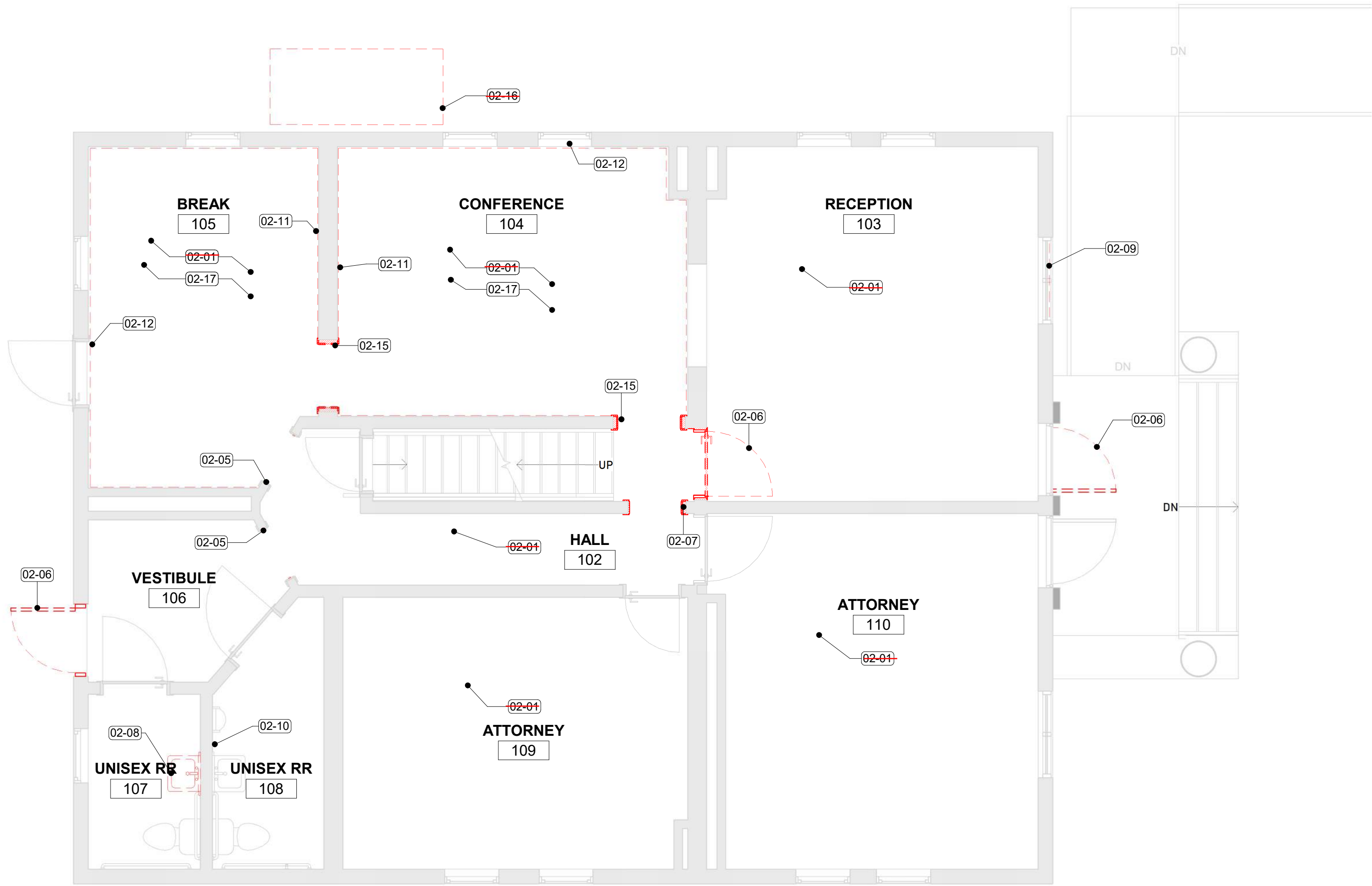
6. PRIMING AND VERIFICATION

1. DO NOT APPLY FINISH COATS UNTIL THE PRIMER FOR EACH SUBSTRATE HAS BEEN APPLIED, HAS CURED, AND PRODUCES A UNIFORM, WELL-BONDED BASE. VERIFY ADHESION ON QUESTIONABLE SUBSTRATES BY TEST AREA BEFORE PROCEEDING WITH THE FULL AREA.
2. CONFIRM ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY, AND SUBSTRATE MOISTURE) ARE WITHIN THE COATING MANUFACTURER'S ACCEPTABLE RANGE BEFORE PRIMING AND PAINTING.
3. TINT PRIMERS TOWARD THE FINISH COLOR WHERE RECOMMENDED BY THE MANUFACTURER TO IMPROVE FINISH COVERAGE.

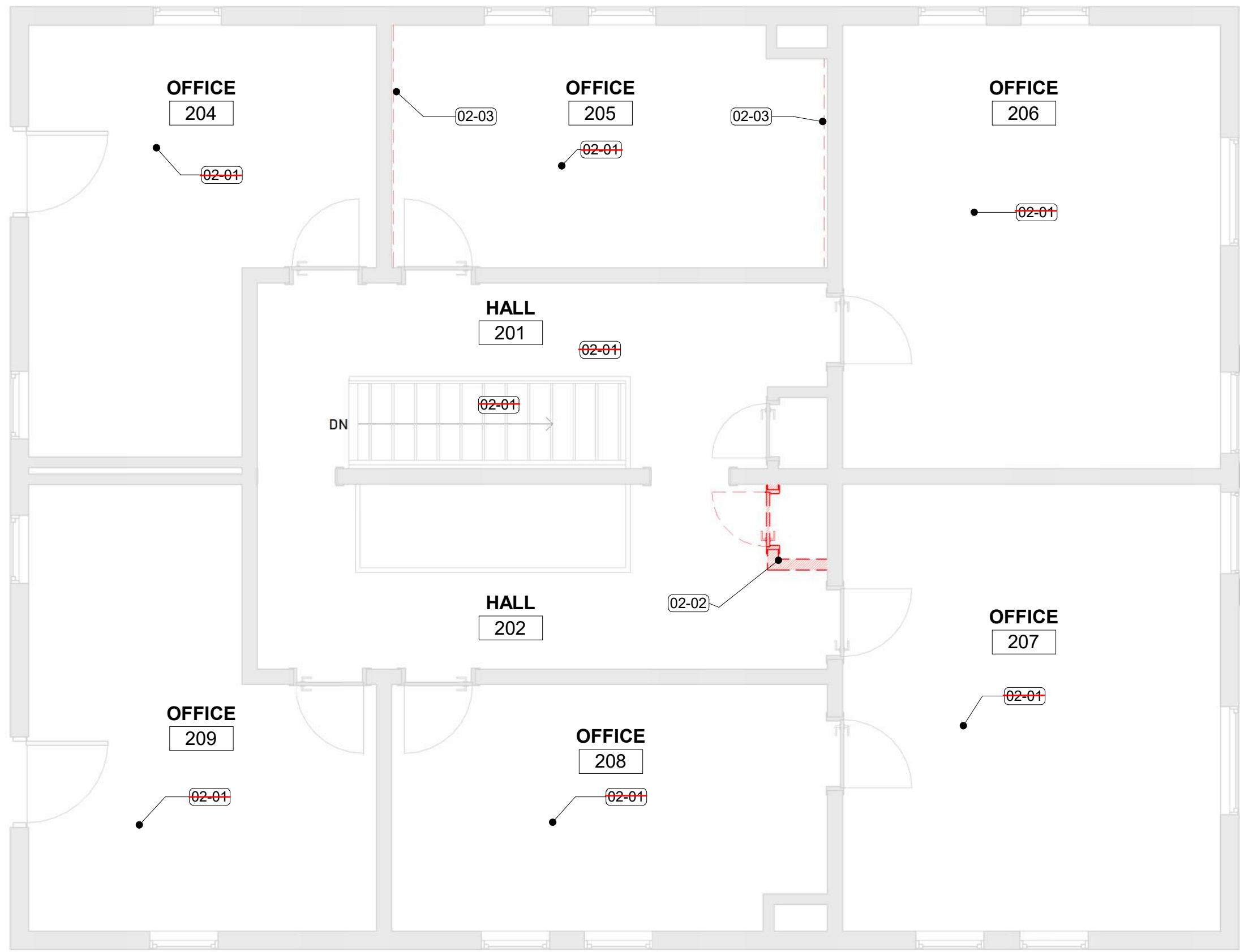
7. APPLICATION

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Exhibit B



1 1ST FLOOR DEMO PLAN
1/4" = 1'-0"



2 2ND FLOOR DEMO PLAN
1/4" = 1'-0"

LEGEND - PLAN

- E-1 WALL TAG
- ? KEYNOTE
- LINE OF WALL ABV/BLW
- DEM WALL
- (E) WALL
- (N) WALL
- SOUND INSULATION
- DEM
- EXISTING
- NEW
- MATCH LINE
- FE FIRE EXTINGUISHER
- FD FLOOR DRAIN, REFER TO ENLARGED PLANS
- DS DOWNSPOUT PER MTL BUILDING PROVIDER

- NOTES:
- ALL KEYED NOTES NOT INDICATING A SPECIFIC LOCATION OF WORK ARE ASSUMED TO ENCOMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
 - KEYED NOTES WITH "TYP" DESIGNATION ASSUMED TO APPLY TO EACH CONDITION / ELEMENT WHICH OCCURS / EXISTS.
 - PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE FACILITY & THOROUGHLY FAMILIARIZE THEMSELV WITH EXISTING CONDITIONS.

KEYNOTE LEGEND

Key Value	Keynote Text
02-01	DEMOLISH (E) CARPET, TACK STRIPS AND TRANSITION STRIPS AND PREP FOR NEW FINISH
02-02	DEMOLISH (E) CLOSET. SALVAGE TRIM AND SIDING FOR REUSE ELSEWHERE IN PROJECT
02-03	DEMOLISH (E) CORK FINISH, BACKING ACOUSTIC TILES, AND FIBER BACKERBOARD. REFER TO DETAIL
02-05	DEMO (E) DOOR STOPS, HINGES AND STRIKES. VERIFY 32" MINIMUM CLEAR WIDTH. PATCH FOR NEW PAINT
02-06	REMOVE (E) DOOR PANEL FOR REPLACEMENT. SEE DOOR SCHEDULE. REMOVE / REPLACE / PATCH HARDWARE AS REQUIRED
02-07	REMOVE CASING FOR WIDENING OF OPENING.
02-08	REMOVE (E) SINK AND MIRROR. RELOCATE PER PLAN
02-09	REMOVE (E) WINDOW SIGNAGE. CLEAN WINDOW AND REMOVE ALL RESIDUE.
02-10	REMOVE ACCESSORIES THIS WALL FOR PAINTING. REPLACE AFTER PAINTING.
02-11	DEMO (E) WALL. PANELS AND BASE TRIM THIS ROOM
02-12	REMOVE (E) WINDOW AND DOOR TRIM INTERIOR SIDE THIS ROOM. SALVAGE IF POSSIBLE FOR REUSE AFTER NEW WALL FINISHES.
02-15	EXISTING DOOR JAMB WITH MISSING PANEL. PREP FOR NEW PANEL AND HARDWARE
02-16	SAWCUT AND REMOVE (E) ASPHALT PAVING. VERIFY WITH MECHANICAL EQUIPMENT FOR SIZE. COMPACT SUBGRADE AND PREP FOR NEW HOUSEKEEPING PAD
02-17	REMOVE (E) ACOUSTIC CEILING TILE AND GRID THIS ROOM, PREP FOR NEW GRID AND TILE. RETAIN CEILING TILE FOR REUSE / REPLACEMENT.

GENERAL NOTES - DEMOLITION

- REFER TO ELECTRICAL PLANS FOR TELEPHONE, DATA, AND ALARM DEVICE REMOVAL.
- PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE FACILITY AND THOROUGHLY REVIEW DRAWINGS AND EXISTING SITE CONDITIONS TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS.
- THE CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR NEW & RENOVATION CONSTRUCTION WHETHER OR NOT IT IS SPECIFICALLY NOTED, INCLUDING BUT NOT LIMITED TO ALL OTHER WORK THAT MIGHT REASONABLY BE REQUIRED TO BE REMOVED IN PREPARATION FOR SPECIFIED FINISHES.
- DEMOLITION SHALL BE PERFORMED IN A MANNER THAT WILL NOT DAMAGE ANY SERVICES INDICATED TO REMAIN.
- CONTRACTOR SHALL PATCH, REPAIR, AND INFILL ALL WALL, FLOOR, AND CEILING SURFACES DAMAGED OR REMOVED DURING DEMOLITION, INCLUDING AT REMOVED DEVICES, FIXTURES, AND MEP/ARCHITECTURAL SCOPE, AS WELL AS EXISTING DEFECTS AND DAMAGE SUCH AS POSTER AND SIGN MOUNTING DAMAGE. MATCH ADJACENT EXISTING MATERIALS AND FINISHES FOR A SEAMLESS APPEARANCE, U.N.O. PROVIDE FURRING, ADDITIONAL LAYERS OF GWB, AND/OR TRIM AS REQUIRED. PREP ALL SURFACES RECEIVING NEW FINISHES ACCORDINGLY.
- CONTACT ARCHITECT FOR ANY EXPOSED/UNCOVERED STRUCTURAL ELEMENTS OR UTILITIES NOT SHOWN IN PLAN.
- DEBRIS SHALL BE PROMPTLY REMOVED FROM THE BUILDING & THE SITE & DISPOSED OF IN A LEGAL MANNER. SURFACES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED IN A BROOM CLEAN CONDITION AT THE END OF EACH WORK DAY.
- REMOVE OVERSPRAY / PAINT MARKINGS FROM EXISTING WOOD TRIM TO BE LEFT STAINED.
- PROVIDE COVER PLATE AT ANY JUNCTION BOXES TO REMAIN.
- AT ALL REMOVED OR ABANDONED WIRING AND ELECTRICAL BOXES IN WALLS AND CEILINGS, REMOVE BOX AND PATCH SUBSTRATE AND FINISH FOR A SEAMLESS APPEARANCE, TYP
- GENERAL CONTRACTOR TO VERIFY WITH OWNER BEFORE DISPOSING OF ANY DOORS, TRIM, LIGHTING, CASEWORK, PLUMBING FIXTURES, OR ANY OTHER MATERIALS THAT THE OWNER WANTS TO SALVAGE.



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #:

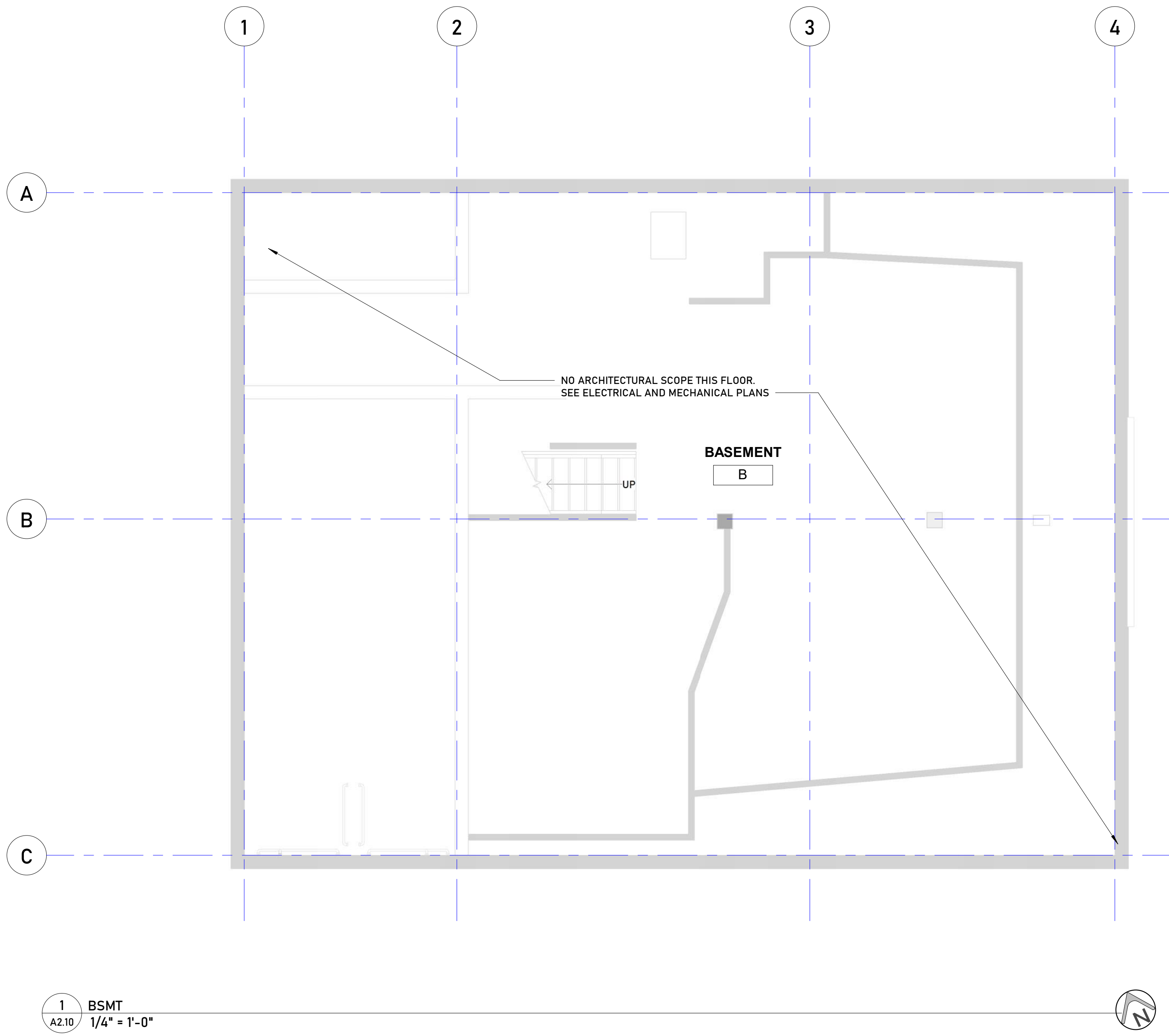
REV	DESC	DATE	PHASE	DATE
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			SD	
			DD	
			CD	

DEM FLOOR PLANS
FOR CONSTRUCTION

AD2.11

2026.08.31

Exhibit B



LEGEND - PLAN

E-1

?

FE

FD

DS

WALL TAG

KEYNOTE

LINE OF WALL ABV/BLW

DEMO WALL

(E) WALL

(N) WALL

SOUND INSULATION

DEMO

EXISTING

NEW

MATCH LINE

FIRE EXTINGUISHER

FLOOR DRAIN, REFER TO ENLARGED PLANS

DOWNSPOUT PER MTL BUILDING PROVIDER

NOTES:
1. ALL KEYED NOTES NOT INDICATING A SPECIFIC LOCATION OF WORK ARE ASSUMED TO ENCOMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
2. KEYED NOTES WITH "TYP" DESIGNATION ASSUMED TO APPLY TO EACH CONDITION / ELEMENT WHICH OCCURS / EXISTS.
3. PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE FACILITY & THOROUGHLY FAMILIARIZE THEMSELF WITH EXISTING CONDITIONS.

KEYNOTE LEGEND	
Key Value	Keynote Text

LICENSED ARCHITECT
MARIE C WILSON
ARCHITECT
NO. 5881
STATE OF MONTANA

IN2ITIVE
ARCHITECTURE

127 E MAIN ST #302
Missoula, MT 59802
www.in2itivearch.com
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MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #: Project Number

REV	DESC	DATE	PHASE	DATE
			PRE	
			SD	
			DD	
			CD	

BSMT FLOOR PLAN

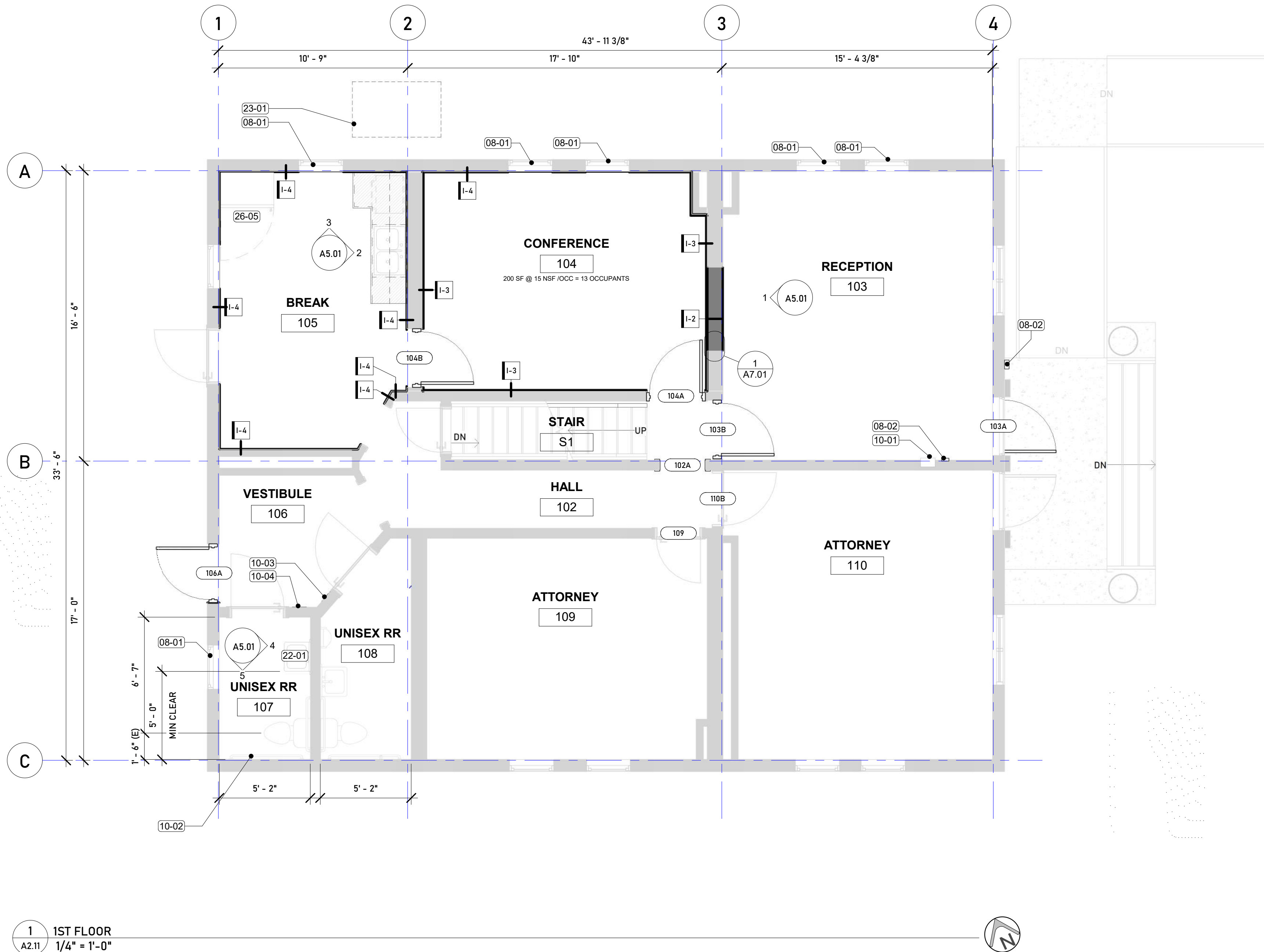
FOR CONSTRUCTION

A2.10

2026.08.31

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Exhibit B



1 1ST FLOOR
A2.11 1/4" = 1'-0"

DOOR SCHEDULE

MARK	FROM ROOM	TO ROOM	TYPE	FIRE RATING	FRAME	DOOR MATERIAL	HEAD/JAMB DETAIL	WIDTH	HEIGHT	HARDWARE SET	WORK DESCRIPTION	Level
102A	STAIR	HALL	E	N/A	(N) WD			2' - 8"	7' - 0"	-	WIDEN EXISTING CASIED OPENING FOR MINIMUM 32" CLEAR WIDTH	1ST FLOOR
103A	RECEPTION		D	N/A	(E)	(N) ALUM		3' - 0"	7' - 0"	HW1	NEW STOREFRONT DOOR AND HARDWARE IN (E) FRAME	1ST FLOOR
103B	STAIR	RECEPTION	C	N/A	(E)	WD (OS)		3' - 0"	6' - 8"	HW2	CARD READER. REPLACE DOOR SLAB WITH NEW DOOR FROM OWNERS INVENTORY IN (E) FRAME. NEW HARDWARE. SEE NOTES ON DEMO PLAN	1ST FLOOR
104A	CONFERENCE	STAIR	B	N/A	(E)	WD		3' - 0"	6' - 8"	HW3	NEW DOOR PANEL IN (E) FRAME. NEW HARDWARE. SEE DEMO PLAN FOR NOTES	1ST FLOOR
104B	CONFERENCE	BREAK	B		(E)	WD (OSCI)		3' - 0"	6' - 8"	HW3	REPLACE DOOR PANEL WITH NEW DOOR FROM OWNERS INVENTORY IN (E) FRAME. NEW HARDWARE. SEE NOTES ON DEMO PLAN	1ST FLOOR
106A	VESTIBULE		B	N/A	(E)	(N) HM		3' - 0"	7' - 0"	HW4	NEW HOLLOW METAL DOOR WITH 1/4 LITE IN EXISTING FRAME. NEW DOOR HARDWARE PER SCHEDULE.	1ST FLOOR
109	ATTORNEY	HALL	(E)	N/A	(E)	(E) WD		2' - 6"	6' - 8"	HW5	NEW LEVER HARDWARE	1ST FLOOR
110B	ATTORNEY	HALL	(E)	N/A	(E)	(E) WD		3' - 0"	6' - 8"	HW5	NEW LEVER HARDWARE	1ST FLOOR
203	OFFICE	MECH	A	N/A	(N) WD	WD	4/A7.01	3' - 0"	7' - 0"	HW6	NEW DOOR IN NEW OPENING	2ND FLOOR

GC VERIFY ALL EXISTING DOOR SIZES PRIOR TO ORDERING

DOOR SCHEDULE NOTES:

GENERAL NOTES:

- SEE FINISH SCHEDULE FOR DOOR SLAB AND FRAME FINISHES
- SEE SPECIFICATIONS FOR DOOR HARDWARE SCHEDULE
- BLOCK FRAME OF DOOR SOLID AT DEAD BOLTS, TYPICAL
- LEVER HANDLES REQUIRED AT ALL PASSAGE DOORS
- CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH DOOR MANUFACTURER
- SEE FLOOR PLANS, SECTIONS, STRUCTURAL DRAWINGS AND WALL TYPES FOR JAMB DEPTH
- SEE FLOOR PLANS FOR DOOR SWING
- PROVIDE ADA COMPLIANT THRESHOLDS AT ALL MAIN LEVEL DOORS
- SEE DETAILS FOR DOOR HEAD, SILL & JAMB DETAILS
- NO WORK AT DOORS NOT SHOWN IN SCHEDULE

ABBREVIATIONS FOR DOOR SCHEDULE

PT PAINT
ALUM ALUMINUM
HM HOLLOW METAL
T TEMPERED GLASS
OS OWNER SUPPLIED

GENERAL NOTES:

- SEE FINISH SCHEDULE FOR DOOR SLAB AND FRAME FINISHES
- BLOCK FRAME OF DOOR SOLID AT DEAD BOLTS, TYPICAL
- LEVER HANDLES REQUIRED AT ALL PASSAGE DOORS
- CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH DOOR MANUFACTURER
- SEE FLOOR PLANS, SECTIONS, STRUCTURAL DRAWINGS AND WALL TYPES FOR JAMB DEPTH
- SEE FLOOR PLANS FOR DOOR SWING
- PROVIDE ADA COMPLIANT THRESHOLDS AT ALL MAIN LEVEL DOORS
- SEE DETAILS FOR DOOR HEAD, SILL & JAMB DETAILS

WALL ASSEMBLIES

- I-1 (N) INTERIOR PARTITION**
- (N) 5/8" GWB
 - (N) 1/4" MASS LOADED VINYL
 - (N) 2X6 WOOD STUD @ 16" O.C.
 - (N) SOUND BATT INSULATION
 - (N) 1/4" MASS LOADED VINYL ACOUSTIC BARRIER
 - (N) 5/8" GWB
- PROVIDE ACOUSTICAL SEALANT AT ALL GAPS, AND GASKETS AT ELECTRICAL BOXES, TYP

- I-2 (N) INTERIOR PARTITION**
- (N) 5/8" GWB
 - (N) 1/4" MASS LOADED VINYL ACOUSTIC BARRIER
 - (N) 2X4 STAGGERED WOOD STUD @ 16" O.C.
 - (N) SOUND BATT INSULATION
 - (N) 1/4" MASS LOADED VINYL ACOUSTIC BARRIER
 - (N) 1/4" MASS LOADED VINYL ACOUSTIC BARRIER
 - (N) 5/8" GWB
 - (N) 1/4" CORK BOARD ON RECEPTION SIDE
- PROVIDE ACOUSTICAL SEALANT AT ALL GAPS, AND GASKETS AT ELECTRICAL BOXES, TYP

- I-3 (N) GWB - SOUND**
- (E) ASSEMBLY
 - (N) SOUND BATT INSULATION
 - (N) 1/4" MASS LOADED VINYL ACOUSTIC BARRIER
 - (N) 5/8" GWB
- PROVIDE ACOUSTICAL SEALANT AT ALL GAPS, AND GASKETS AT ELECTRICAL BOXES, TYP

- I-4 (N) GWB**
- (E) ASSEMBLY
 - (N) 5/8" GYPSUM WALL BOARD (MOLD AND MOISTURE RESISTANT ON KITCHENETTE WALL)
- PROVIDE ACOUSTICAL SEALANT AT ALL GAPS, AND GASKETS AT ELECTRICAL BOXES, TYP

- I-5 (N) GWB**
- (E) ASSEMBLY
 - (N) 1/4" GYPSUM WALL BOARD

KEYNOTE LEGEND

Key Value	Keynote Text
08-01	PRIVACY FILM ON EXISTING 2'-6" X 5'-6" DOUBLE HUNG WINDOW. VERIFY PRODUCT WITH OWNER PRIOR TO INSTALL.
08-02	POWER DOOR OPERATOR. SEE DOOR HARDWARE SPECS
10-01	(N) SEMI-RECESSED FIRE EXTINGUISHER CABINET
10-02	(N) 18" VERTICAL GRAB BAR. REFER TO ACCESSIBILITY DETAILS FOR MOUNTING LOCATIONS
10-03	NEW UNISEX RESTROOM SIGN. ULINE S-14806BLU OR EQ. MOUNT PER ACCESSIBILITY DETAILS.
10-04	NEW UNISEX RESTROOM SIGN WITH UNIVERSAL SYMBOL OF ACCESSIBILITY. ULINE S-25698BLU OR EQ. MOUNT PER ACCESSIBILITY DETAILS.
22-01	RELOCATE (E) SINK TO PROVIDE MINIMUM CLEAR FLOOR SPACE AT WATERCLOSET. REFER TO PLUMBING PLANS
23-01	NEW CONDENSER ON CONCRETE PAD, REFER TO MECH AND SPECS
26-05	REFRIGERATOR, OSOI

LEGEND - PLAN

- E-1** WALL TAG
- ?** KEYNOTE
- LINE OF WALL ABV/BLW
- DEMO WALL
- (E) WALL
- (N) WALL
- SOUND INSULATION
- DEMO
- EXISTING
- NEW
- MATCH LINE
- FE** FIRE EXTINGUISHER
- FD** FLOOR DRAIN, REFER TO ENLARGED PLANS
- DS** DOWNSPOUT PER MTL BUILDING PROVIDER

NOTES:

- ALL KEYED NOTES NOT INDICATING A SPECIFIC LOCATION OF WORK ARE ASSUMED TO ENCOMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
- KEYED NOTES WITH "TYP" DESIGNATION ASSUMED TO APPLY TO EACH CONDITION / ELEMENT WHICH OCCURS / EXISTS.
- PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE FACILITY & THOROUGHLY FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS.

ACCESSIBILITY NOTES

THIS PROJECT IS AN ALTERATION TO AN EXISTING 2-STORY GOVERNMENT BUILDING.

- SITE TO ENTRY. AN ACCESSIBLE ROUTE FROM THE PUBLIC WAY TO THE MAIN ENTRANCE EXISTS AND IS UNAFFECTED BY THIS SCOPE OF WORK. COMPLIES WITH ICC A117.1-2017 SECTION 402 (ACCESSIBLE ROUTES).
- PATH OF TRAVEL. THIS ALTERATION PROVIDES WIDENING OF DOORWAYS TO PROVIDE AN ACCESSIBLE ROUTE FROM THE MAIN ENTRY TO ALL PUBLIC-USE AREAS OF THE FIRST FLOOR AND TO THE PUBLIC RESTROOM.
- RESTROOM. A GROUND-FLOOR PUBLIC RESTROOM IS BEING RENOVATED FOR FULL COMPLIANCE WITH ICC A117.1-2017 CHAPTER 6 (PLUMBING ELEMENTS AND FACILITIES), INCLUDING REQUIRED CLEARANCES, GRAB BAR PLACEMENT, AND FIXTURE MOUNTING HEIGHTS.
- ALL DOOR HARDWARE ON THE FIRST FLOOR IS BEING REPLACED WITH OPERABLE-PARTS-COMPLIANT HARDWARE PER ICC A117.1-2017 SECTION 404.2.7 (LEVER OR PUSH-TYPE OPERATION, NO TIGHT GRASPING/PINCHING/TWISTING, MOUNTED 34"-48" AFF, 5 LB. MAXIMUM OPENING FORCE).
- SECOND FLOOR. THE SECOND FLOOR (APPROXIMATELY 1,400 SF) IS NOT ACCESSIBLE AND IS NOT BEING MADE ACCESSIBLE UNDER THIS ALTERATION. NO ELEVATOR IS REQUIRED PER 2021 IBC SECTION 1104.4. EXCEPTION 1: THE BUILDING IS 2 STORIES WITH AN AGGREGATE NON-ACCESSIBLE STORY AREA UNDER 3,000 SF, AND THE BUILDING IS NOT A GROUP M MULTI-TENANT RETAIL FACILITY, A HEALTH CARE PROVIDER'S OFFICE, OR A PASSENGER TRANSPORTATION FACILITY. THE 2ND FLOOR IS NOT ACCESSIBLE TO THE PUBLIC.

OCCUPANT LOAD CALCULATIONS

	AREA	OLF	OCCUPANTS
UNOCCUPIED BASEMENT	+/- 1200 SF	1.300SF =	4 OCCUPANTS
1ST FLOOR CONFERENCE ROOM	- 200 SF	1.15NSF =	13.3 OCCUPANTS
1ST FLOOR BUSINESS AREA	- 1200 SF	1.150 SF =	8 OCCUPANTS
2ND FLOOR BUSINESS AREA	1400 SF	1.150 6SF =	9.33 OCCUPANTS
TOTAL OCCUPANTS			35 OCCUPANTS

DOOR TYPES

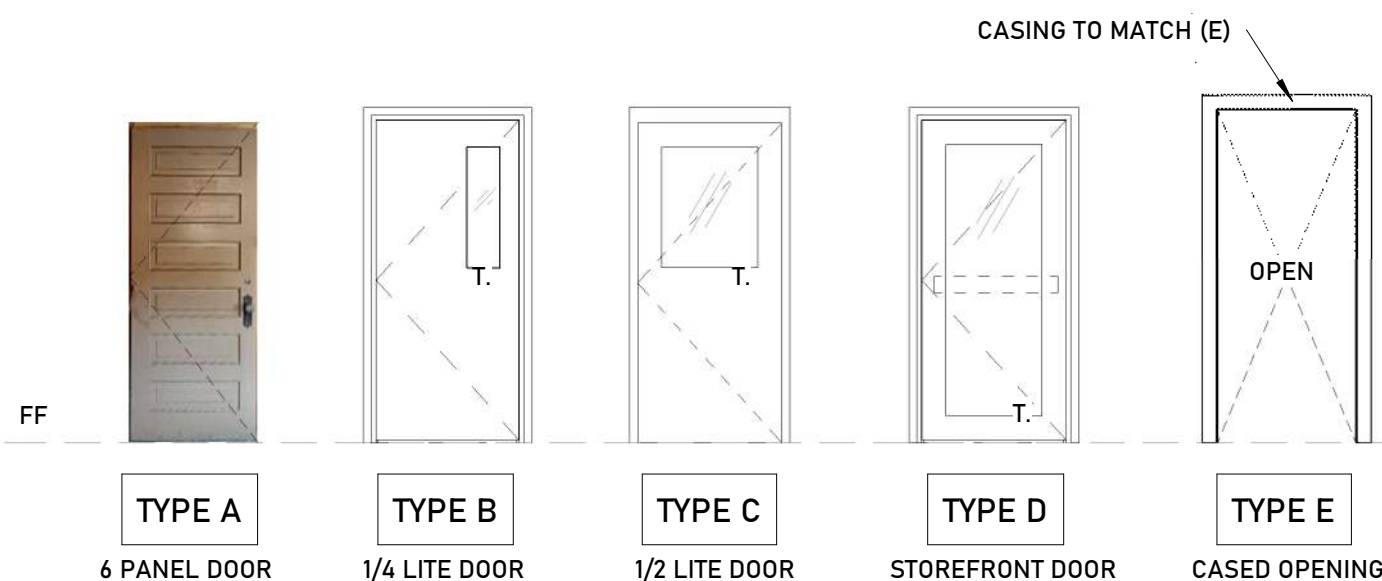
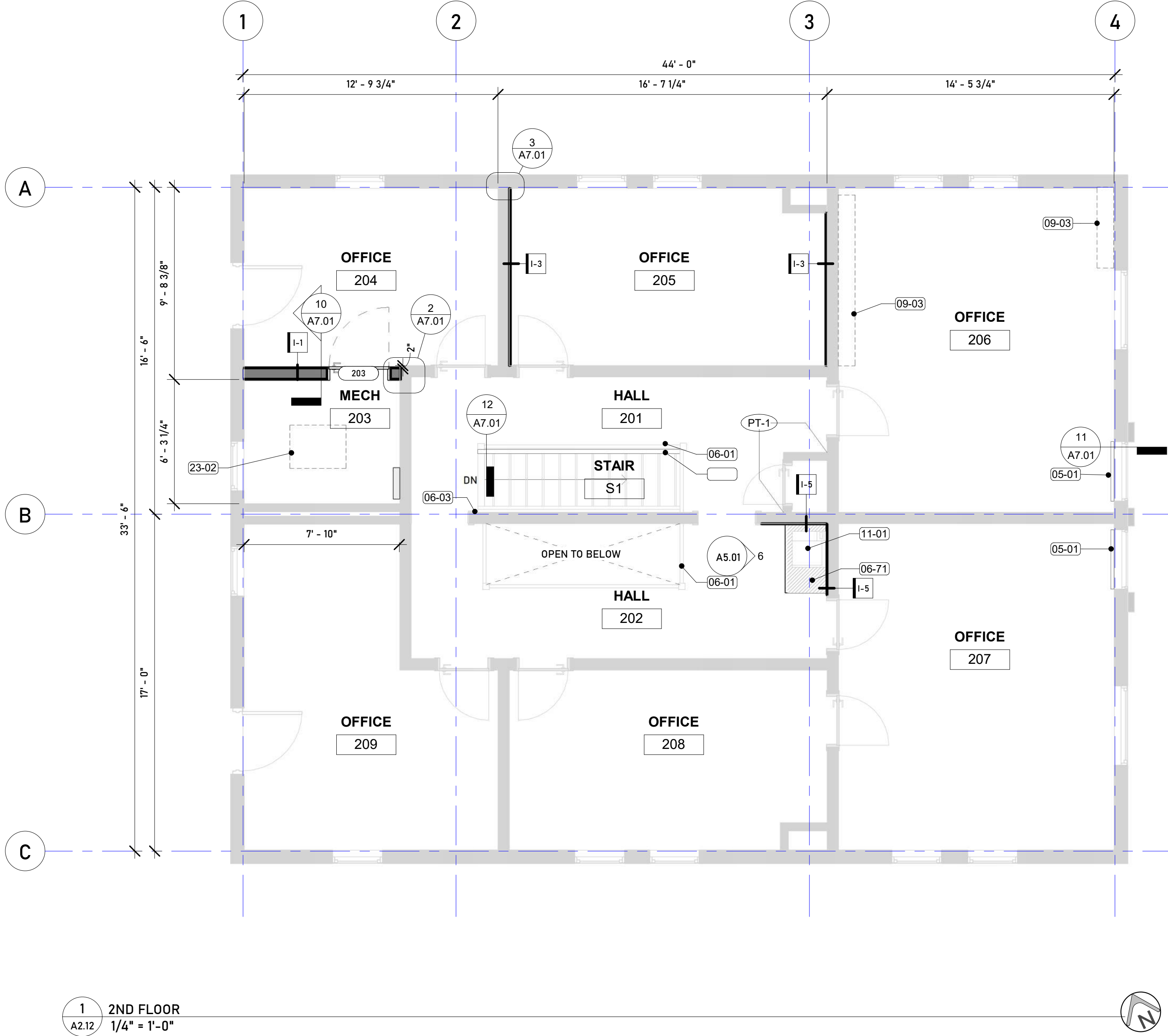


Exhibit B



LEGEND - PLAN	
	WALL TAG
	KEYNOTE
	LINE OF WALL ABV/BLW
	DEMO WALL
	(E) WALL
	(N) WALL
	SOUND INSULATION
	DEMO
	EXISTING
	NEW
	MATCH LINE
	FIRE EXTINGUISHER
	FLOOR DRAIN, REFER TO ENLARGED PLANS
	DOWNSPOUT PER MTL BUILDING PROVIDER

NOTES:

1. ALL KEYED NOTES NOT INDICATING A SPECIFIC LOCATION OF WORK ARE ASSUMED TO COMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
2. KEYED NOTES WITH "TYP" DESIGNATION ASSUMED TO APPLY TO EACH CONDITION / ELEMENT WHICH OCCURS / EXISTS.
3. PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT THE FACILITY & THOROUGHLY FAMILIARIZE ITSELF WITH EXISTING CONDITIONS.

KEYNOTE LEGEND	
Key Value	Keynote Text
05-01	(N) 1 1/2" DIA MIN METAL RAILING. MOUNT 34-38" AFF TO INSIDE OF FRAME. CONTRACTOR OPTION TO REPLACE GLAZING WITH TEMPERED GLASS
06-01	GUARDRAIL. BASE BID: SAND/PATCH AND PAINT EXISTING. BID ALTERNATE: REBUILD PER DETAIL
06-03	REPLACE MISSING BASE TRIM TO MATCH PROFILE AND FINISH OF ADJACENT
06-71	BASE CABINET DOUBLE DOOR W/ DRAWER
09-03	(E) SHELVEING TO REMAIN. NO WORK.
01-01	PRINTER. OSOI
3-02	NEW FURNACE. REFER TO MECH



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #: Project Number

REV	DESC	DATE	PHASE	DATE
			PRE	
			SD	
			DD	
			CD	

2ND FLOOR PLAN

FOR CONSTRUCTION

A2.12

2026.08.31

Exhibit B

ROOF VENTING REQUIREMENTS

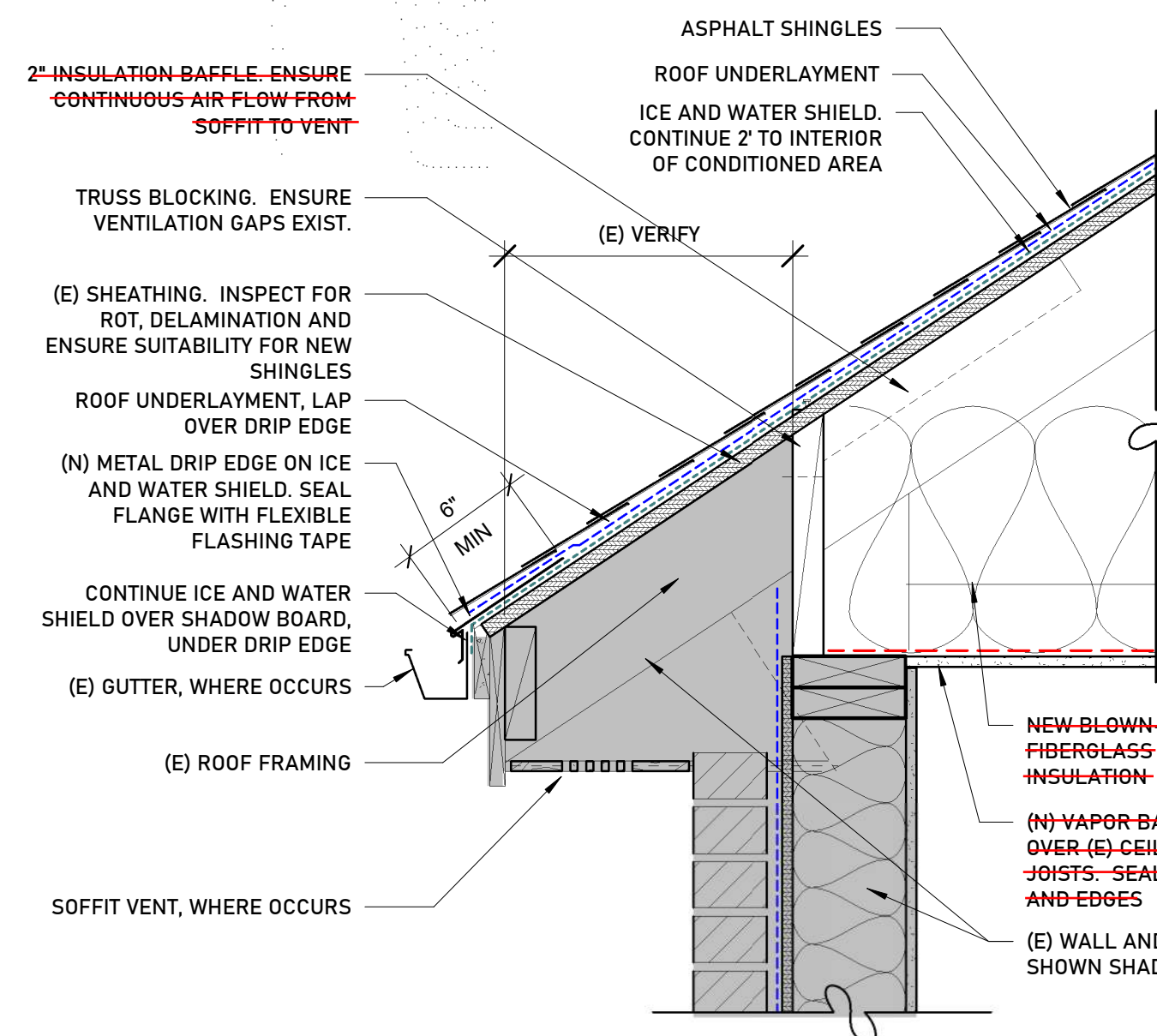
TOTAL ATTIC AREA:
1475 SF
1475 SF/300 = 4.92 SF VENTILATION REQUIRED (708 SI)
ROOF FAN REQUIRED.

EXISTING SOFFIT VENTILATION: 250 SI (354 SI REQUIRED).
2 NEW 8X16 SOFFIT VENTS REQUIRED

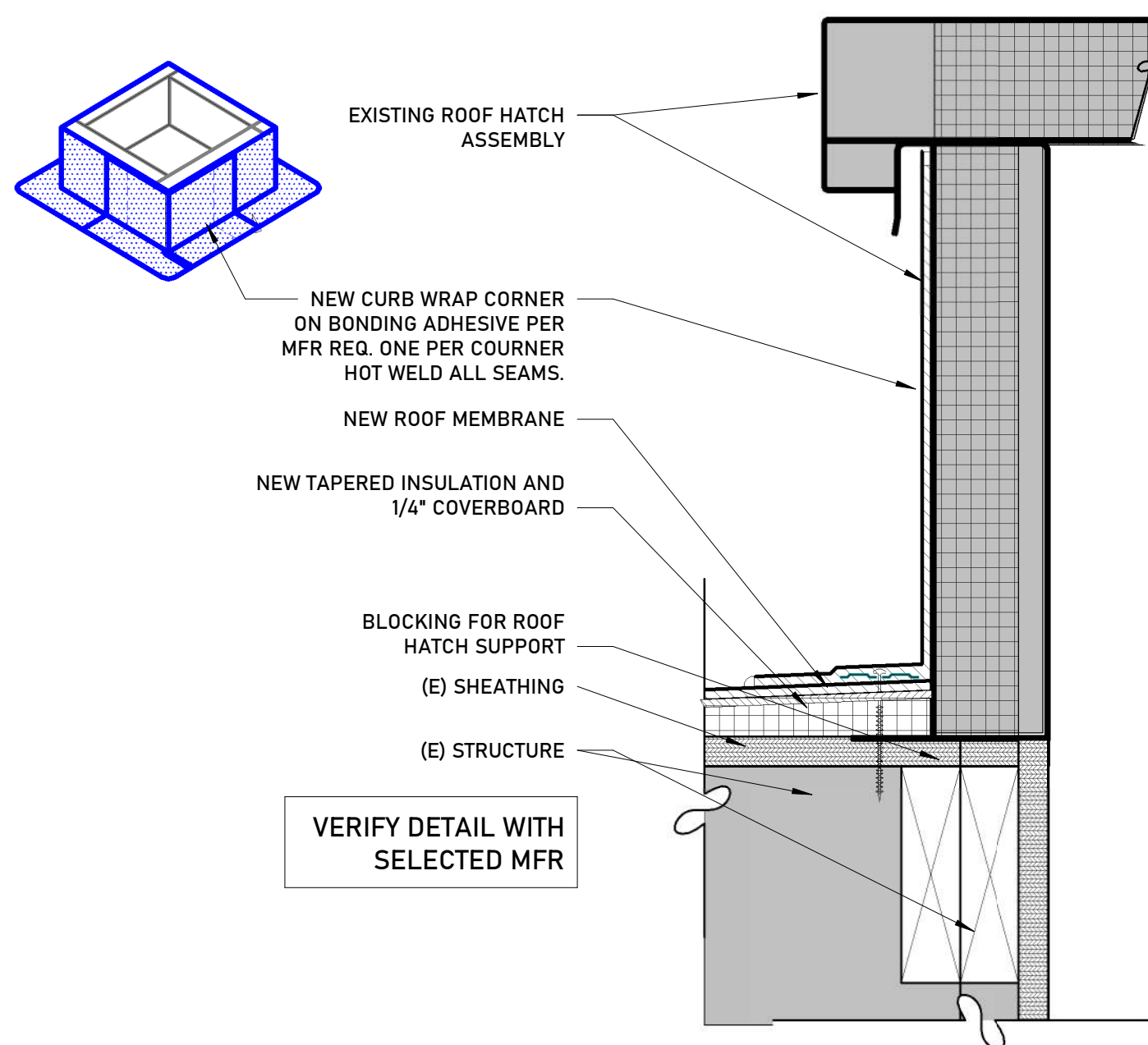
ROOF DEMOLITION SCOPE

REMOVE (E) MEMBRANE ROOFING TO SUBSTRATE.
REMOVE (E) ASPHALT SHINGLES AND UNDERLAYMENT TO SUBSTRATE. REMOVE ALL EXPOSED FASTENERS.
INSPECT (E) SHEATHING FOR ROT AND DELAMINATION.
INSURE SUITABILITY FOR NEW ROOFING. SALVAGE (E) RTU'S (REFER TO MECH FOR UNIT TO BE RE-USED).
DEMO (E) MECHANICAL CURBS AT REMOVED RTU'S

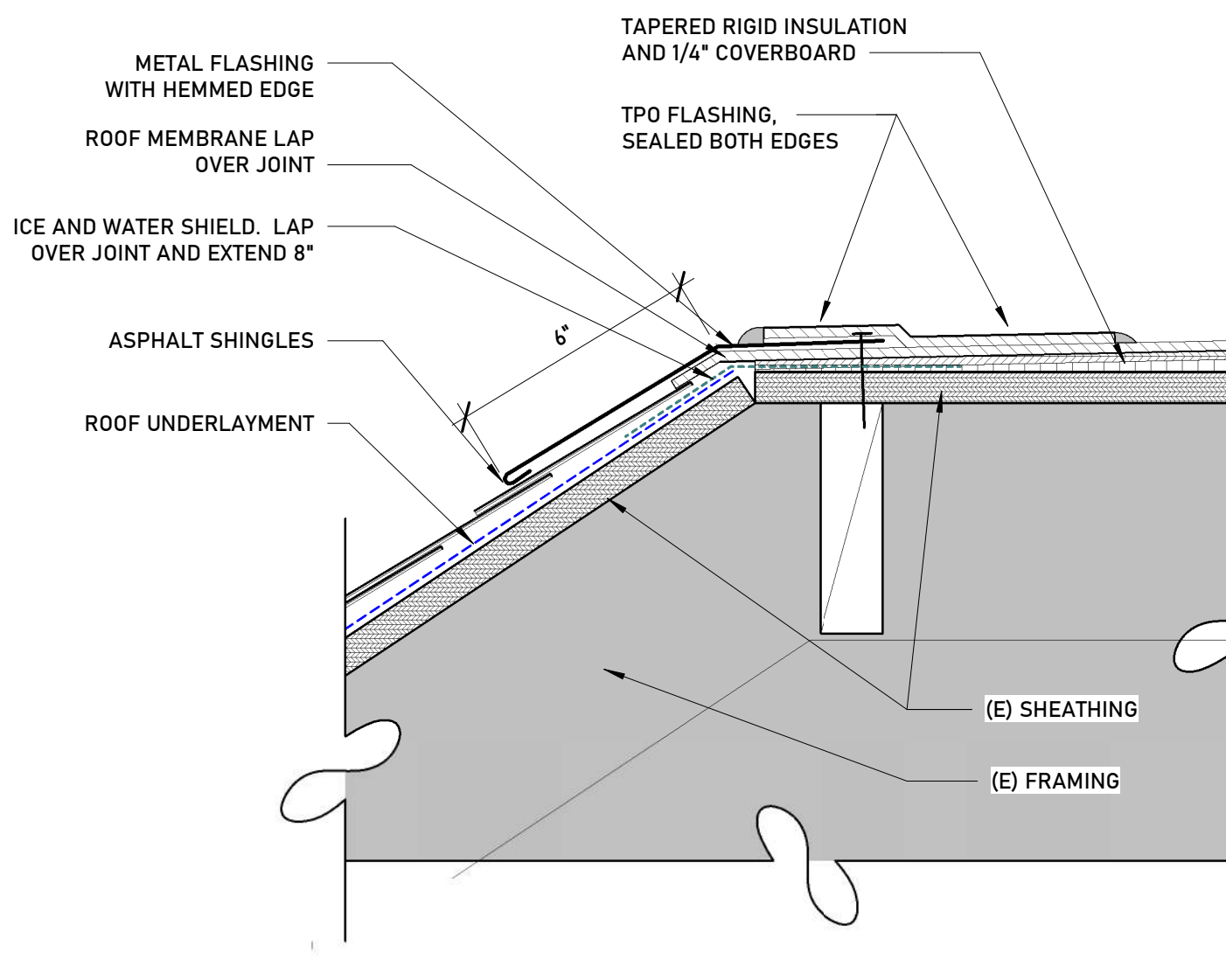
1 ROOF PLAN
1/4" = 1'-0"



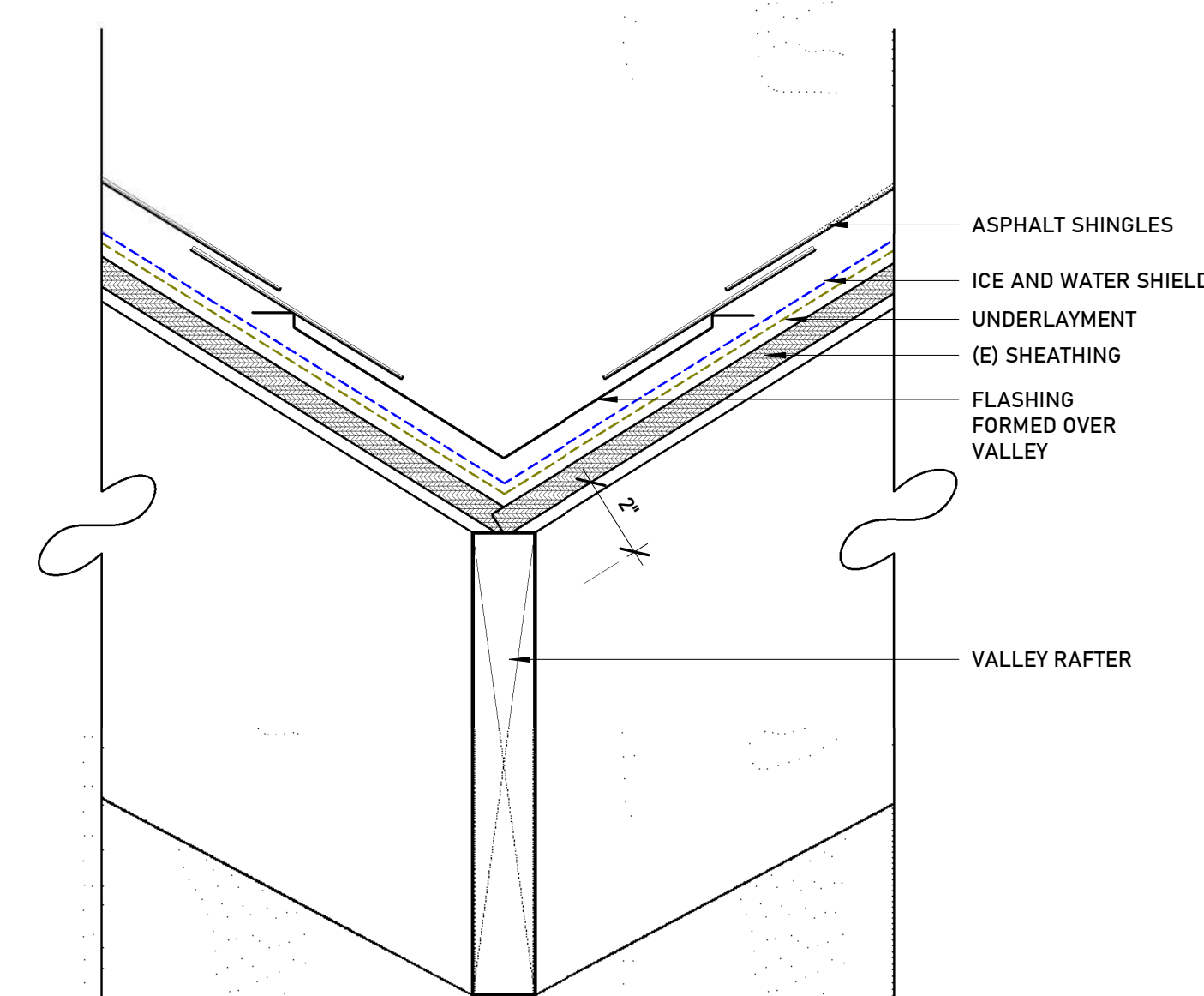
3 ROOF DETAIL - TYPICAL EAVE
1 1/2" = 1'-0"



4 ROOF HATCH DETAIL
3" = 1'-0"

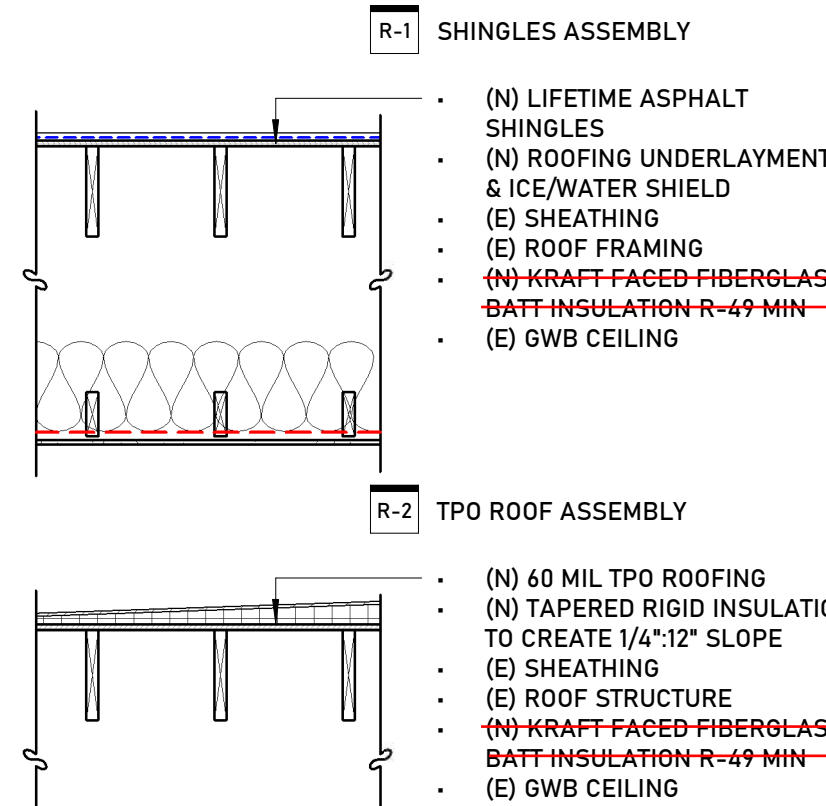


5 ROOF TRANSITION MEMBRANE TO SHINGLES
3" = 1'-0"

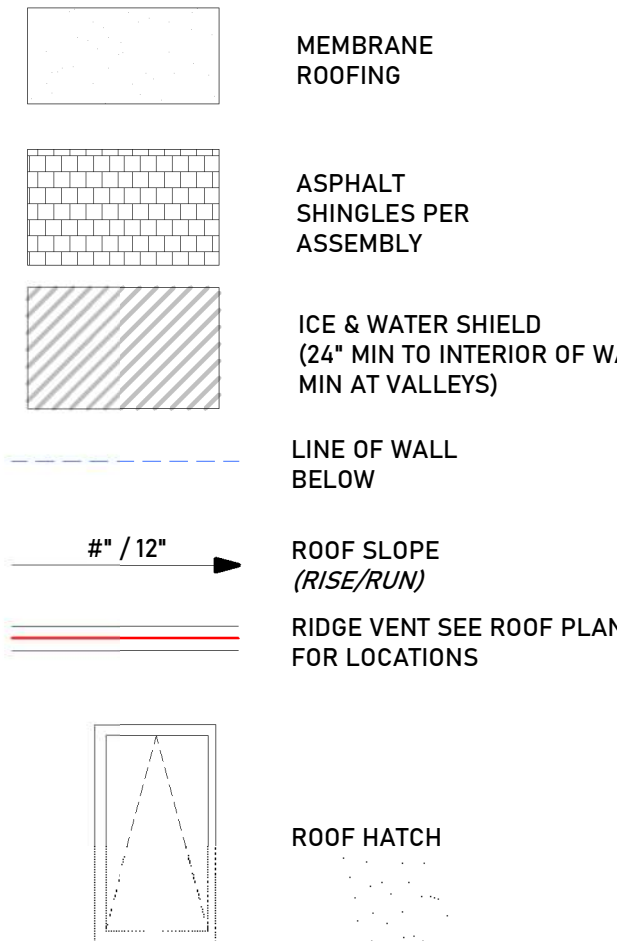


6 SECTION DETAIL - ROOF VALLEY
3" = 1'-0"

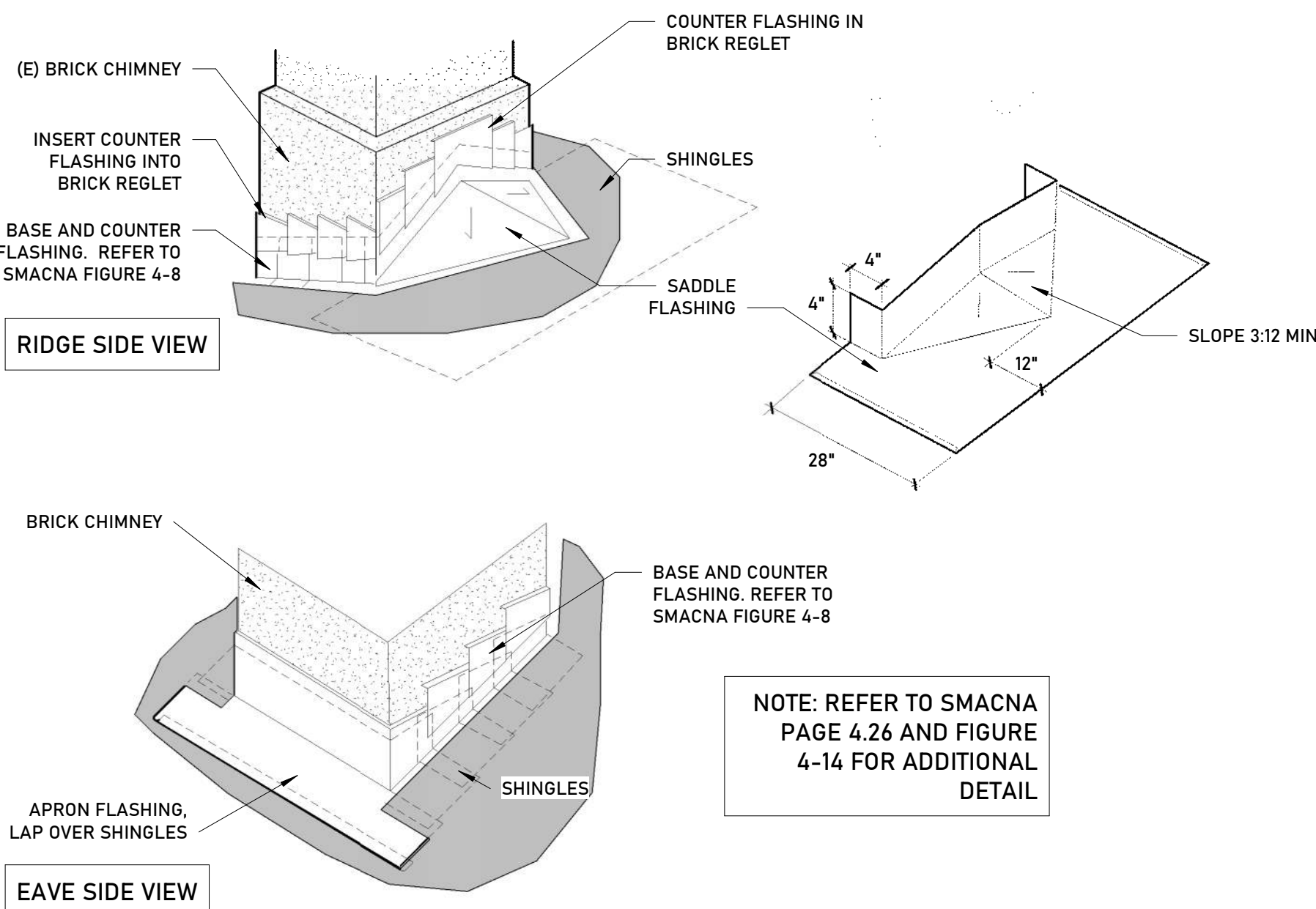
ROOF ASSEMBLY



LEGEND - ROOF PLAN



- NOTES:
- ALL VENTS, STACKS AND OTHER ROOF PENETRATIONS SHALL BE PAINTED TO MATCH THE ROOFING MATERIAL. MTLs TO BE PAINT GRADE AND PAITABLE FINISH IF NOT FACTORY FINISHED.
 - ALL ROOF PENETRATIONS SHALL BE FLASHED TO PREVENT MOISTURE PENETRATION AND FINISHED TO MATCH ADJACENT SURFACES.



2 CHIMNEY FLASHING DIAGRAM
3" = 1'-0"



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802

PROJECT #:

REV	DESC	DATE	PHASE	DATE
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			SD	
			DD	
			CD	

ROOF PLAN

FOR CONSTRUCTION

A2.13
2026.08.31

Exhibit B



LEGEND - RCP

- CEILING TAG
- WALL TERMINATES 6" ABOVE CEILING
- WALL EXTENDS TO ASSEMBLY ABOVE
- LIGHTING - CEILING
- LIGHTING - CEILING
- OPEN TO STRUCTURE
- (E) ACOUSTIC CEILING TILE AND GRID TO REMAIN
- MISSING OR DAMAGED CEILING TILE BE REPLACED FROM OWNERS INVENTORY
- NEW ACOUSTIC CEILING TILE AND GRID REFER TO SPEC. REMOVE (E) TILE AND GRID, REFER TO DEMO PLANS
- (E) FIBERBOARD CEILING TO REMAIN
- (E) GWB CEILING TO REMAIN

NOTES:

- GENERALLY CENTER CEILING GRIDS IN EACH ROOM AS SHOWN ON PLANS TO PROVIDE EQUALLY SIZED PANELS ON OPPOSITE WALLS. IF PLANS INDICATE A GRID ALIGNING WITH A COLUMN, WALL, SOFFIT, ETC., START GRID AT INDICATED SURFACE.
- REFER TO INTERIOR CEILING DETAIL SHEET FOR TYPICAL CEILING DETAILS, INCLUDING WALL BRACING
- ALL KEYED NOTES NOT INDICATING A LOCATION OF WORK ARE ASSUMED TO ENCOMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
- SEE FLOOR PLAN FOR WALL TYPES, SEE DETAILS FOR WALLS THAT EXTEND FULL HEIGHT TO STRUCTURE.
- CEILING FIXTURES ARE SHOWN FOR REFERENCE ONLY FOR MECHANICAL, ELECTRICAL AND SPRINKLER DRAWINGS FOR ALL CEILING FIXTURES AND TYPES
- SPOT ELEVATIONS ARE FROM FINISH FLOOR TO SURFACE FINISH OF CEILING AND ARE ROUNDED TO THE NEAREST 1/2 INCH.
- SEE ASSEMBLIES FOR RATED LOCATIONS

KEYNOTE LEGEND	
Key Value	Keynote Text
02-13	CLEAN /TOUCH UP STAINS ON CEILING AT PREVIOUSLY REMOVED LIGHT FIXTURES AND WIREMOLD.

127 E MAIN ST #302
Missoula, MT 59802
www.in2itivearch.com
406.926.2326

MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802

PROJECT #:

REV	DESC	DATE	PHASE			
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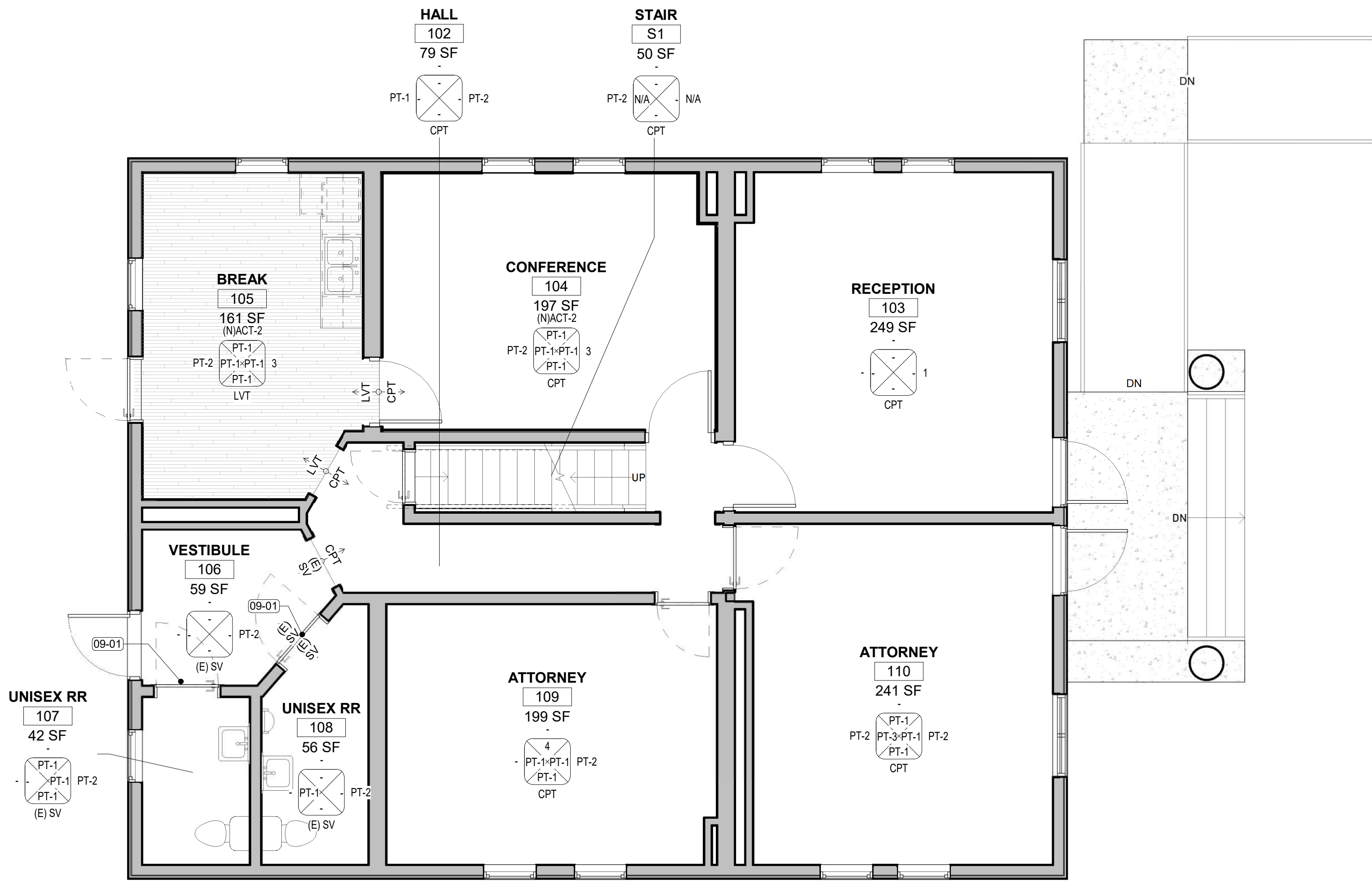
1ST FLOOR RCP

FOR CONSTRUCTION

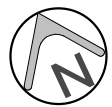
A2.21

2026.08.31

Exhibit B



1 1ST FLOOR FINISH PLAN
A2.31 1/4" = 1'-0"



ROOM FINISH SCHEDULE

RM NUMBER	ROOM NAME	AREA	FLOORING	WALL BASE MAT'L	WALL BASE FINISH	NORTH WALL MAT'L	NORTH WALL FINISH	EAST WALL MAT'L	EAST WALL FINISH	SOUTH WALL MAT'L	SOUTH WALL FINISH	WEST WALL MAT'L	WEST WALL FINISH	WINDOW/DOOR TRIM AND DOOR SLAB	CEILING MATERIAL	CELING FINISH	COMMENTS
102	HALL	79 SF	CPT	(E) BRICK WAINSCOT	PT-1	(E) WP	-	(E) WP	-	(E) WP	-	(E) WP	-	PT-2	(E) ACT	-	PAINT BRICK WAINSCOT - (LABELLED AS BASE)
103	RECEPTION	249 SF	CPT	(E) WD	-	(E) WP	-	(E) WP	-	(E) WP	-	(E) WP	-	1	(E) ACT	-	SAND AND REFINISH SILLS + BOTTOM OF PICTURE FRAMING
104	CONFERENCE	197 SF	CPT	2	PT-2	(N) GWB	PT-1	(N) GWB	PT-1	(N) GWB	PT-1	(N) GWB	PT-1	3	(N)	(N)ACT-2	
105	BREAK	161 SF	LVT	2	PT-2	(N) GWB	PT-1	(N) GWB	PT-1	(N) GWB	PT-1	(N) GWB	PT-1	3	(N)	(N)ACT-2	
106	VESTIBULE	59 SF	(E) SV	(E) RB	-	(E) WP	-	(E) WP	-	(E) WP	-	(E) WP	-	PT-2	(E) ACT	-	
107	UNISEX RR	42 SF	(E) SV	(E) RB	-	(E) GWB	PT-1	(E) WC	PT-1	(E) WC	PT-1	(E) WP	-	PT-2	(E) ACT	-	
108	UNISEX RR	56 SF	(E) SV	(E) RB	-	(E) WP	-	(E) WP	-	(E) WP	-	(E) WP	PT-1	PT-2	(E) ACT	-	
109	ATTORNEY	199 SF	CPT	(E) RB	-	(E) BRICK / WP	4	(E) WP	PT-1	(E) WP	PT-1	(E) WP	PT-1	PT-2	(E) ACT	-	PAINT BRICK WAINSCOT
110	ATTORNEY	241 SF	CPT	(E) WD	PT-2	(E) WC	PT-1	(E) WC	PT-1	(E) WC	PT-1	(E) WC	PT-3	PT-2	(E) GWB	-	SHELVING FINISH TO REMAIN
S1	STAIR	50 SF	CPT	(E) WD	PT-2	(E) WC	-	N/A	-	(E) WP	-	N/A	N/A	N/A	N/A	-	NO WORK

NOTE: AREAS ARE PROVIDED FOR CONVENIENCE ONLY. GC/BIDDERS TO VERIFY ALL AREAS.

FINISH SCHEDULE NOTES

- SAND AND REFINISH (E) WINDOW SILLS AND SILL OF WEST WALL PICTURE FRAMING TO MATCH JAMBS.
- NEW 4" WOOD BASE. PROFILE TO MATCH BASE IN ATTORNEY #110
- NEW 4" WOOD WINDOW AND DOOR TRIM. GC OPTION TO REUSE (E) TRIM FOR THESE OPENINGS IF NOT DAMAGED DURING REMOVAL.
- PAINT BRICK WAINSCOT P-3. PAINT WOOD PANELING PT-1
- NEW 4" WD BASE ON SOUTH WALL, NORTH, EAST AND WEST WALL BASE TO REMAIN.
- PT-1 AT WC. NO WORK AT WOOD PANELING WAINSCOT
- NEW 4" WD BASE ON EAST AND WEST WALL. NORTH AND SOUTH WALL BASE TO REMAIN
- REMOVE PUSH PINS AND CLEAN (E) WC THIS ROOM

LEGEND - FINISH PLAN

- CPT1

CARPET, SEE SPECIFICATIONS
- LVT

RESILIENT FLOORING - SEE SPECIFICATIONS
- △

XX

◇

XX

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FLOOR MATERIAL TRANSITION.

PROVIDE TRANSITION STRIP AT

DISIMILAR MATERIALS. SEE DETAIL ON

A7.01
- (N) WALL, SEE TAG

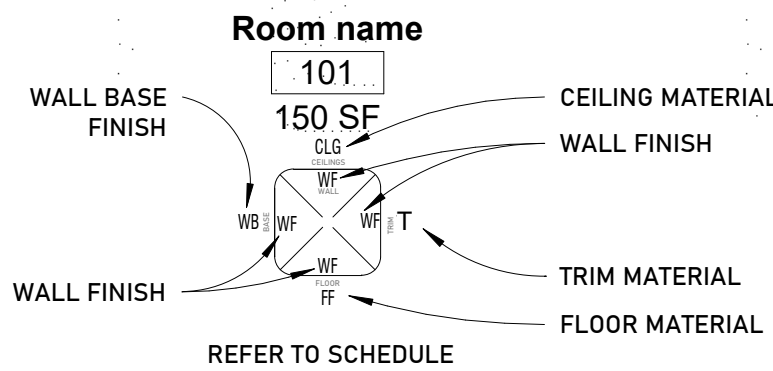
& SCHEDULE
- INSULATION
- (E) WALL, SEE TAG

& SCHEDULE

NOTES:

- ALL KEYED NOTES NOT INDICATING A LOCATION OF WORK ARE ASSUMED TO ENCOMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
- KEYED NOTES WITH "TYP" DESIGNATION ASSUMED TO APPLY TO EACH CONDITION / ELEMENT WHICH OCCURS / EXISTS.

ROOM FINISH TAG:



KEYNOTE LEGEND

Key Value	Keynote Text
09-01	NEW BINDER STRIP AT (E) SHEET VINYL FLOORING, REFER TO TRANSITION DETAIL ON A7.01

ROOM FINISH SCHEDULE LEGEND:

GENERAL	EXISTING TO REMAIN
(E)	NEW
(N)	NOT APPLICABLE
N/A	NO WORK
-	
FLOOR	
CPT	12"X36" CARPET TILES - BOD: MANNINGTON COMMERCIAL NOTABLE #82106 EXPERIENCE. ASHLAR PATTERN AT STAIRS, PROVIDE 12" BROADLOOM IN LIEU OF TILES.
LVT	GLUE-DOWN LUXURY VINYL, WITH UNDERLAYMENT. ASTM F1700, CLASS III, TYPE B. 7" WIDE X 48" LONG, 2.5MM DEPTH. 10 YR WARRANTY
OTS	BOD: TAS FLOORING CONCORD. COLOR: MEAD. STAGGERED PATTERN.
SV	REFER TO SPECIFICATIONS.
	OPEN TO SUBSTRATE
	SHEET VINYL - EXISTING
BASE	
RB	4" RUBBER BASE - BOD: JOHNSONITE TRADITIONAL WALL BASE. COLOR TO BE SELECTED FROM MFR'S STANDARD RANGE
WD	1 X 4 WOOD BASE. MATCH (E) PROFILE. PT-2, TYP.
WALL	
PT	PAINT - REFER TO KEY
GWB	GYPSUM WALL BOARD
WP	WOOD PANELING
WC	WALL COVERING
CEILING	
	REFER TO CEILING PLAN
CASEWORK / COUNTERTOPS	
PL-1	PLASTIC LAMINATE. BOD: WILSONART PREMIUM LAMINATE. PORTORO 4980K-22 ANTIQUE FINISH
PRE	PREFINISHED CABINET. COLOR TO BE SELECTED FROM FULL MANUFACTURERS RANGE. REFER TO SPECIFICATIONS

PAINT

KEY:	LOCATION:	MFR:	SHEEN:	COLOR:
PT-1	WALLS	SHERWIN WILLIAMS PROMAR 200 HP ZERO VOC LATEX	*	SW 6148 WOOL SKEIN
PT-2	DOORS AND WINDOW FRAMES, DOOR PANELS	SHERWIN WILLIAMS PROINDUSTRIAL WATERBASED ALKYD URETHANE ENAMEL		SEMIGLOSS SW 6163 GRASSLAND
PT-3	ACCENT	SHERWIN WILLIAMS PROMAR 200 HP ZERO VOC LATEX	EGGSHELL	SW 6202 CAST IRON
PT-4	EXPOSED WOOD	CLEAR SEAL		

*SHEENS: OFFICE, BREAKROOM AND CORRIDOR WALLS: EGGSHELL. BATHROOM AND MECHANICAL WALLS: SEMI-GLOSS

INTERIOR FINISH NOTES

- WALL BASE**
WHERE NEW WOOD WALL BASE IS SPECIFIED, MATCH EXISTING PROFILE
- FLOORING**
1. COORDINATE FLOORING TRANSITIONS AT DOORWAYS WITH THRESHOLD TYPE.
2. MAXIMUM CHANGE IN FLOOR HEIGHT IS 1/4" AT ALL FLOORING TRANSITIONS AND THRESHOLDS IN ALL AREAS, WHETHER INDICATED TO BE ACCESSIBLE OR NOT.
- WALL FINISHES**
1. SEE SCHEDULE FOR SUBSTRATE TO BE PAINTED. PROVIDE APPROPRIATE CLEANING, PREP, FILLING, AND PRIMER TO SUIT SUBSTRATE.
- TRIM**



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802

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1	Revision 1	Date 1	PRE	
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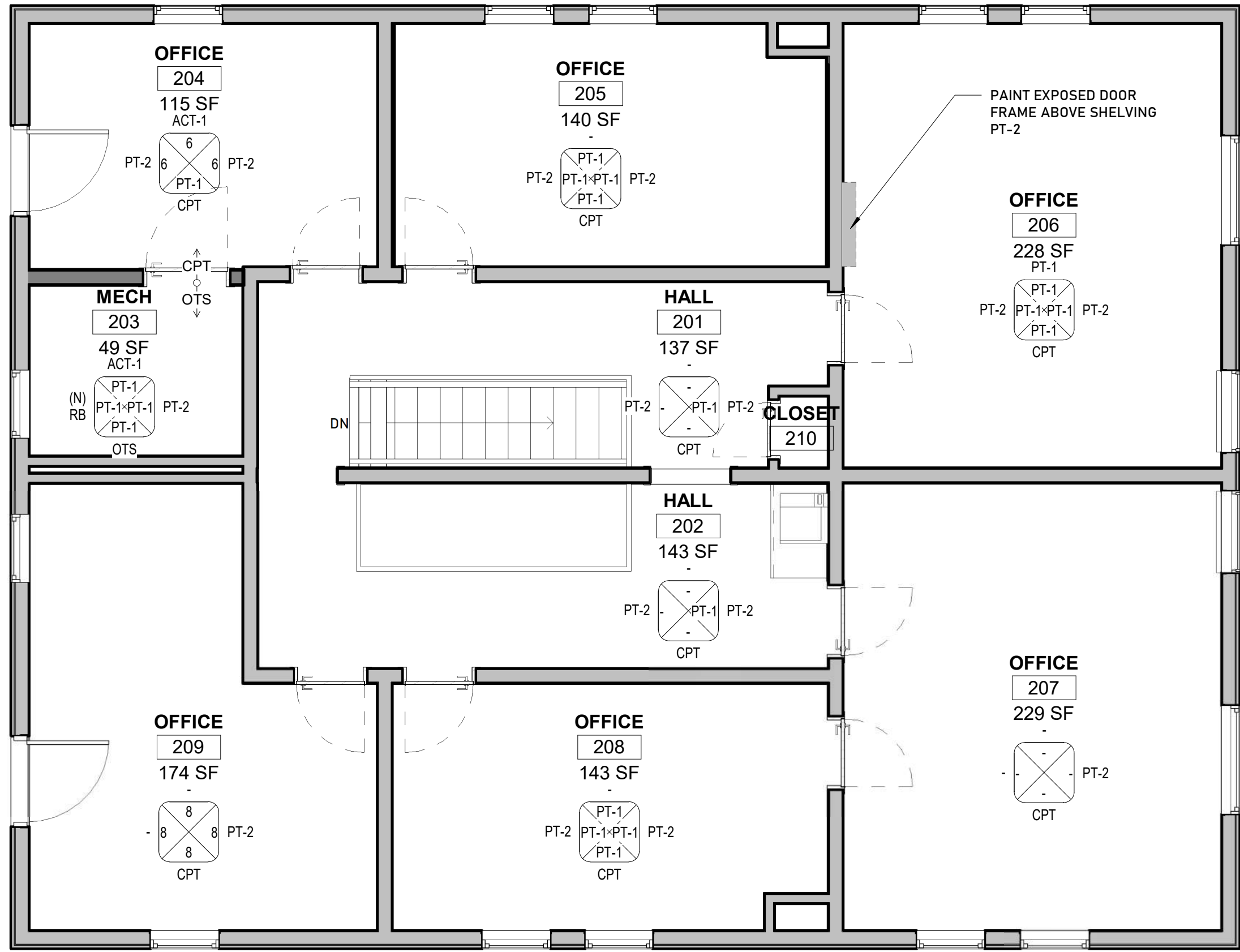
1ST FLOOR FINISH
PLAN

FOR CONSTRUCTION

A2.31

2026.08.31

Exhibit B



1 2ND FLOOR FINISH PLAN
A2.32 1/4" = 1'-0"

ROOM FINISH SCHEDULE

RM NUMBER	ROOM NAME	AREA	FLOORIN G	WALL BASE MATL	WALL BASE FINISH	NORTH WALL MATL	NORTH WALL FINISH	EAST WALL MATL	EAST WALL FINISH	SOUTH WALL MATL	SOUTH WALL FINISH	WEST WALL MATL	WEST WALL FINISH	WINDOW/ DOOR TRIM AND DOOR SLAB	CEILING MATERIAL	CELING FINISH	COMMENTS
201	HALL	137 SF	CPT	(E) WD	PT-2	(E) WC	-	VARIES	PT-1	(E) WP	-	(E) WP	-	PT-2	(E) ACT	-	PATCH/SAND/PAINT (E) GUARDRAIL
202	HALL	143 SF	CPT	(E) WD	PT-2	(E) WP	-	(N) GWB	PT-1	(E) WC	-	(E) WP	-	PT-2	(E) ACT	-	PATCH/SAND/PAINT (E) GUARDRAIL
203	MECH	49 SF	OTS	(N) RB	(N) RB	(N) GWB	PT-1	(E) WC	PT-1	(E) WC	PT-1	(E) WC	PT-1	PT-2	ACT-1	ACT-1	RECONFIGURE (E) ACT, SEE RCP
204	OFFICE	115 SF	CPT	6	PT-2	(E)WP/WC	6	(E)WP/WC	6	(N) GWB	PT-1	(E)WP/WC	6	PT-2	ACT-1	ACT-1	RECONFIGURE (E) ACT, SEE RCP
205	OFFICE	140 SF	CPT	7	PT-2	(E) WP	PT-1	(N) GWB	PT-1	(E) WP	PT-1	(N) GWB	PT-1	PT-2	(E) ACT	-	NO WORK TO (E) SHELVES
206	OFFICE	228 SF	CPT	(E) WD	PT-2	(E) GWB	PT-1	(E) GWB	PT-1	(E) GWB	PT-1	(E) GWB	PT-1	PT-2	(E) FIBER	PT-1	NO WORK TO (E) SHELVES
207	OFFICE	229 SF	CPT	(E) WD	-	(E) WP	-	(E) WP	-	(E) WP	-	(E) WP	-	PT-2	(E) FIBER	-	NO WORK TO (E) SHELVES
208	OFFICE	143 SF	CPT	(E) WD	PT-2	(E) WC	PT-1	(E) WC	PT-1	(E) WC	PT-1	(E) WC	PT-1	PT-2	(E) ACT	-	PAINT (E) SHELVES PT-1
209	OFFICE	174 SF	CPT	N/A	-	(E) WC	8	(E) WC	8	(E) WC	8	(E) WC	8	PT-2	(E) ACT	-	NO WORK TO (E) SHELVES
210	CLOSET	5 SF	CPT				PT		PT		PT		PT			OTS	
S1	STAIR	50 SF			PT-2	(E) WP	-	N/A	-	(E) WP	-	N/A	N/A	N/A	N/A	-	NO WORK

FINISH SCHEDULE NOTES

- SAND AND REFINISH (E) WINDOW SILLS AND SILL OF WEST WALL PICTURE FRAMING TO MATCH JAMBS.
- NEW 4" WOOD BASE. PROFILE TO MATCH BASE IN ATTORNEY #110
- NEW 4" WOOD WINDOW AND DOOR TRIM. GC OPTION TO REUSE (E) TRIM FOR THESE OPENINGS IF NOT DAMAGED DURING REMOVAL.
- PAINT BRICK WAINSCOT P-3. PAINT WOOD PANELING PT-1
- NEW 4" WD BASE ON SOUTH WALL. NORTH, EAST AND WEST WALL BASE TO REMAIN.
- PT-1 AT WC. NO WORK AT WOOD PANELING WAINSCOT
- NEW 4" WD BASE ON EAST AND WEST WALL. NORTH AND SOUTH WALL BASE TO REMAIN
- REMOVE PUSH PINS AND CLEAN (E) WC THIS ROOM

LEGEND - FINISH PLAN

- CPT1

CARPET, SEE SPECIFICATIONS
- LVT

RESILIENT FLOORING - SEE SPECIFICATIONS
- XX

FLOOR MATERIAL TRANSITION,
PROVIDE TRANSITION STRIP AT
DISIMILAR MATERIALS. SEE DETAIL ON
A7.01
- (N) WALL, SEE TAG
& SCHEDULE
- INSULATION
- (E) WALL, SEE TAG
& SCHEDULE

NOTES:

- ALL KEYED NOTES NOT INDICATING A LOCATION OF WORK ARE ASSUMED TO ENCOMPASS THE ENTIRE AREA THAT THEY ARE WITHIN.
- KEYED NOTES WITH "TYP" DESIGNATION ASSUMED TO APPLY TO EACH CONDITION / ELEMENT WHICH OCCURS / EXISTS.

ROOM FINISH TAG:

Room name
101
150 SF

WALL BASE FINISH

CEILING MATERIAL

WALL FINISH

TRIM MATERIAL

FLOOR MATERIAL

REFER TO SCHEDULE

ROOM FINISH SCHEDULE LEGEND:

GENERAL	EXISTING TO REMAIN
(E)	NEW
(N)	NOT APPLICABLE
N/A	NO WORK
-	
FLOOR	
CPT	12"X36" CARPET TILES - BOD: MANNINGTON COMMERCIAL NOTABLE #82106 EXPERIENCE. ASHLAR PATTERN AT STAIRS, PROVIDE 12" BROADLOOM IN LIEU OF TILES.
LVT	GLUE-DOWN LUXURY VINYL, WITH UNDERLAYMENT. ASTM F1700, CLASS III, TYPE B. 7" WIDE X 48" LONG, 2.5MM DEPTH. 10 YR WARRANTY
OTS	BOD: TAS FLOORING CONCORD. COLOR: MEAD. STAGGERED PATTERN.
SV	REFER TO SPECIFICATIONS.
BASE	OPEN TO SUBSTRATE.
RB	SHEET VINYL - EXISTING
WD	4" RUBBER BASE - BOD: JOHNSONITE TRADITIONAL WALL BASE. COLOR TO BE SELECTED FROM MFR'S STANDARD RANGE
WP	1 X 4 WOOD BASE. MATCH (E) PROFILE. PT-2, TYP.
WALL	
PT	PAINT - REFER TO KEY
WP	GYPSUM WALL BOARD
WC	WOOD PANELING
WC	WALL COVERING
CEILING	
PL-1	REFER TO CEILING PLAN
PRE	
CASEWORK / COUNTERTOPS	
PL-1	PLASTIC LAMINATE. BOD: WILSONART PREMIUM LAMINATE. PORTORO 4980K-22 ANTIQUE FINISH
PRE	PREFINISHED CABINET. COLOR TO BE SELECTED FROM FULL MANUFACTURERS RANGE. REFER TO SPECIFICATIONS

PAINT

KEY:	LOCATION:	MFR:	SHEEN:	COLOR:
PT-1	WALLS	SHERWIN WILLIAMS PROMAR 200 HP ZERO VOC LATEX	*	SW 6148 WOOL SKEIN
PT2	DOORS AND WINDOW FRAMES,	SHERWIN WILLIAMS PROINDUSTRIAL WATERBASED	SEMIGLOSS	SW 6163 GRASSLAND
PT3	DOOR PANELS	ALKYD URETHANE ENAMEL		
PT4	ACCENT	SHERWIN WILLIAMS PROMAR 200 HP ZERO VOC LATEX	EGGSHELL	SW 6202 CAST IRON
PT4	EXPOSED WOOD	CLEAR SEAL		
*SHEENS: OFFICE, BREAKROOM AND CORRIDOR WALLS: EGGSHELL. BATHROOM AND MECHANICAL WALLS: SEMI-GLOSS				

INTERIOR FINISH NOTES

- WALL BASE**
WHERE NEW WOOD WALL BASE IS SPECIFIED, MATCH EXISTING PROFILE
- FLOORING**
1. COORDINATE FLOORING TRANSITIONS AT DOORWAYS WITH THRESHOLD TYPE.
2. MAXIMUM CHANGE IN FLOOR HEIGHT IS 1/4" AT ALL FLOORING TRANSITIONS AND THRESHOLDS IN ALL AREAS, WHETHER INDICATED TO BE ACCESSIBLE OR NOT.
- WALL FINISHES**
1. SEE SCHEDULE FOR SUBSTRATE TO BE PAINTED. PROVIDE APPROPRIATE CLEANING, PREP, FILLING, AND PRIMER TO SUIT SUBSTRATE.
- TRIM**



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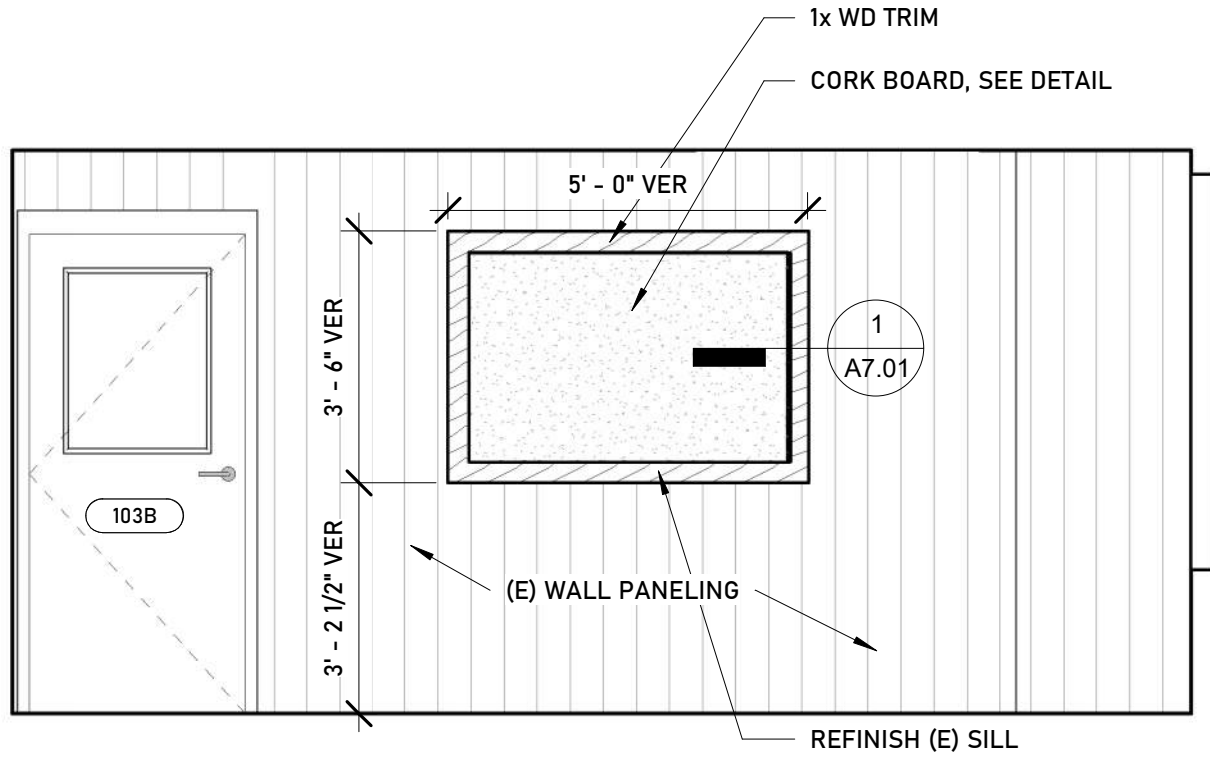
2ND FLOOR FINISH
PLAN

FOR CONSTRUCTION

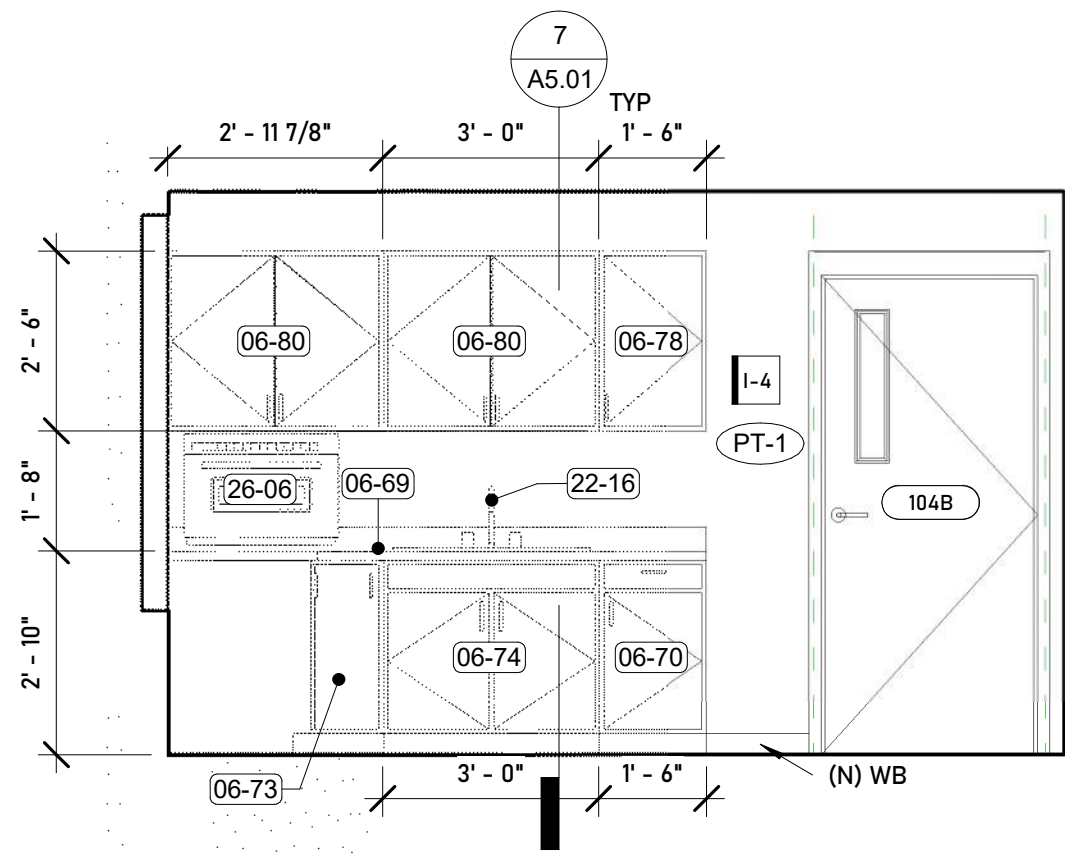
A2.32

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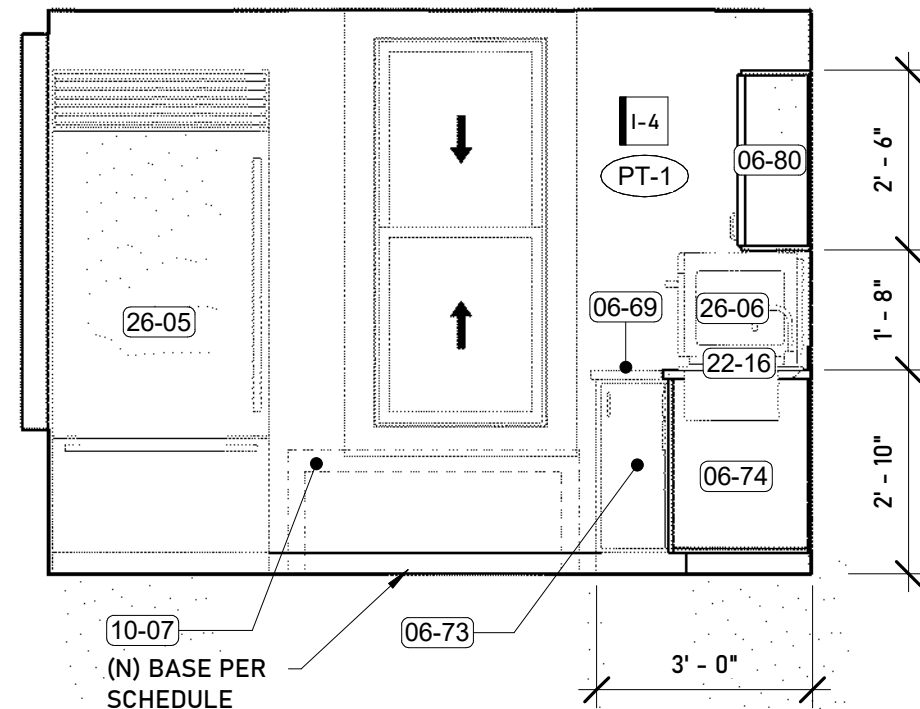
Exhibit B



1 INT ELEVATION - 103 RECEPTION - WEST
A5.01 3/8" = 1'-0"

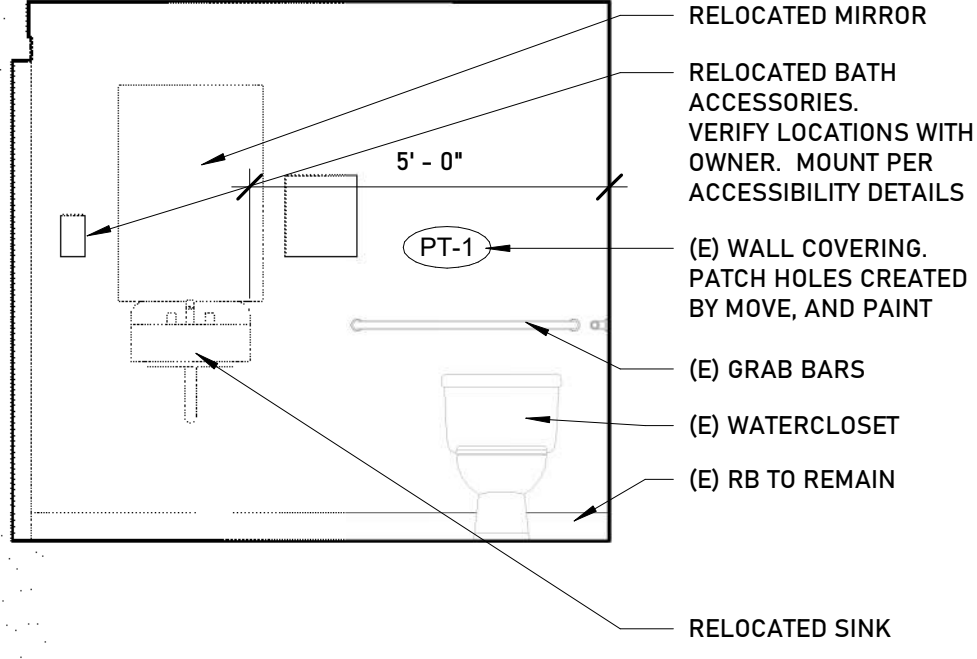


2 INT ELEVATION - 105 BREAK - EAST
A5.01 3/8" = 1'-0"

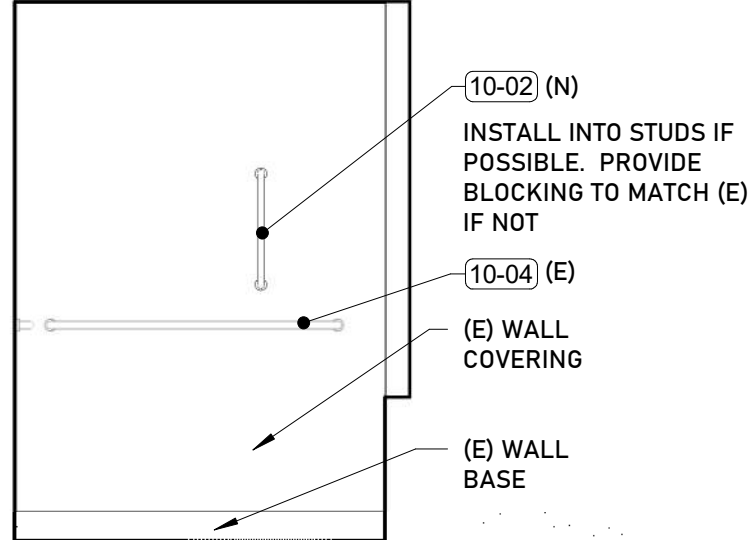


3 INT ELEVATION - 105 BREAK - NORTH
A5.01 $3/8" = 1'-0"$

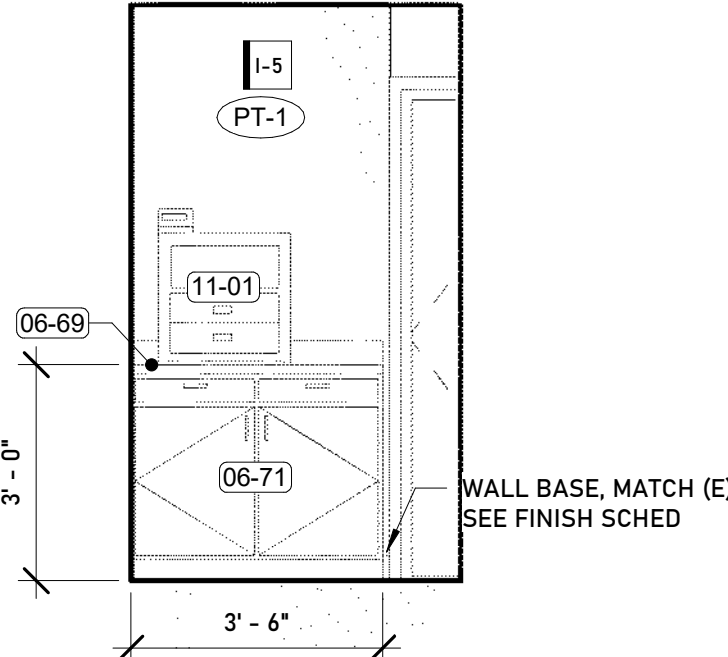
KEYNOTE LEGEND	
Key Value	Keynote Text
06-69	PLAM. COUNTERTOP WITH 4" BACKSPLASH
06-70	BASE CABINET SINGLE DOOR W/ DRAWER
06-71	BASE CABINET DOUBLE DOOR W/ DRAWER
06-73	BASE CABINET CORNER
06-74	BASE CABINET DOUBLE DOOR, COORD W/ SINK MFR
06-78	UPPER CABINET SINGLE DOOR
06-80	UPPER CABINET DOUBLE DOOR
10-02	(N) 18" VERTICAL GRAB BAR. REFER TO ACCESSIBILITY DETAILS FOR MOUNTING LOCATIONS
10-04	NEW UNISEX RESTROOM SIGN WITH UNIVERSAL SYMBOL OF ACCESSIBILITY. ULINE S-25698BLU OR EQ. MOUNT PER ACCESSIBILITY DETAILS.
10-07	BENCH, OSOI
11-01	PRINTER. OSOI
22-16	SINK, SEE PLUMBING
26-05	REFRIGERATOR, OSOI
26-06	MICROWAVE/ TOASTER OVEN COMBO, OSOI



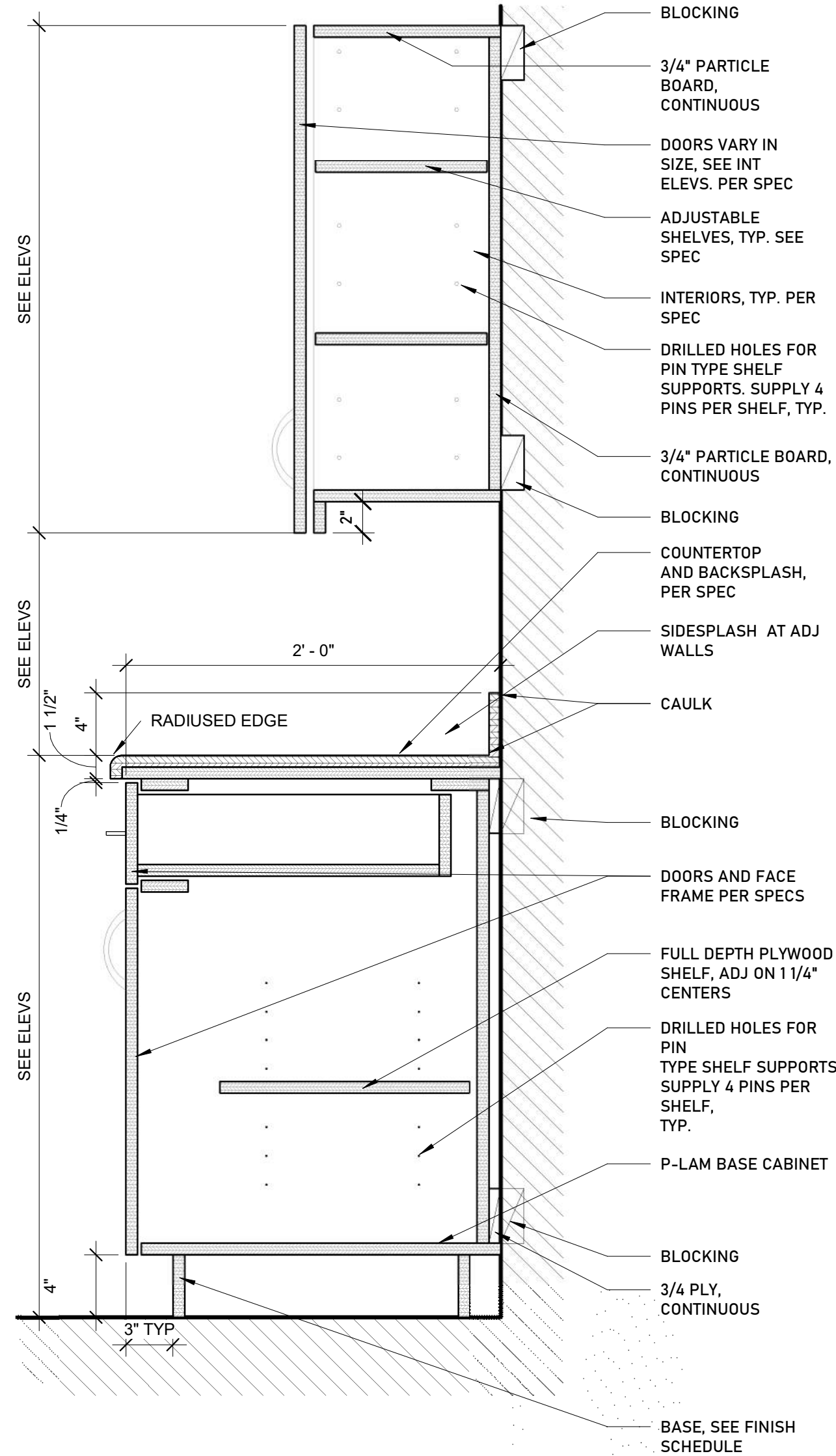
4 INT ELEVATION - 107 UNISEX RR - EAST
A5.01 3/8" = 1'-0"



5 INT ELEVATION - 107 UNISEX RR - SOUTH
A5.01 $3/8" = 1'-0"$



6 PRINTER CABINET ELEVATION
A5.01 3/8" = 1'-0"



7 SECTION DETAIL - CASEWORK TYP
A5.01 1 1/2" = 1'-0"



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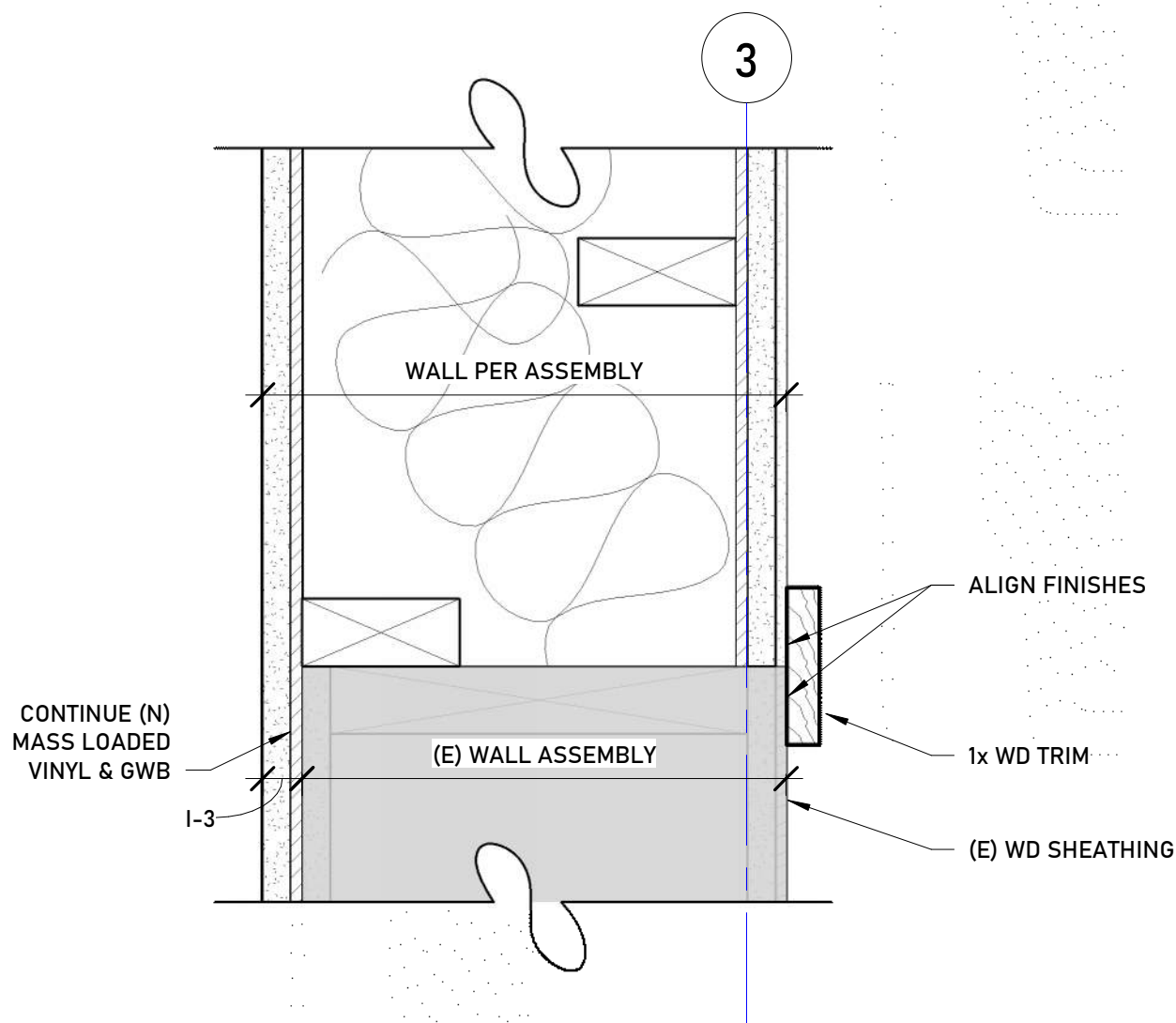
INTERIOR ELEVATIONS

FOR CONSTRUCTION

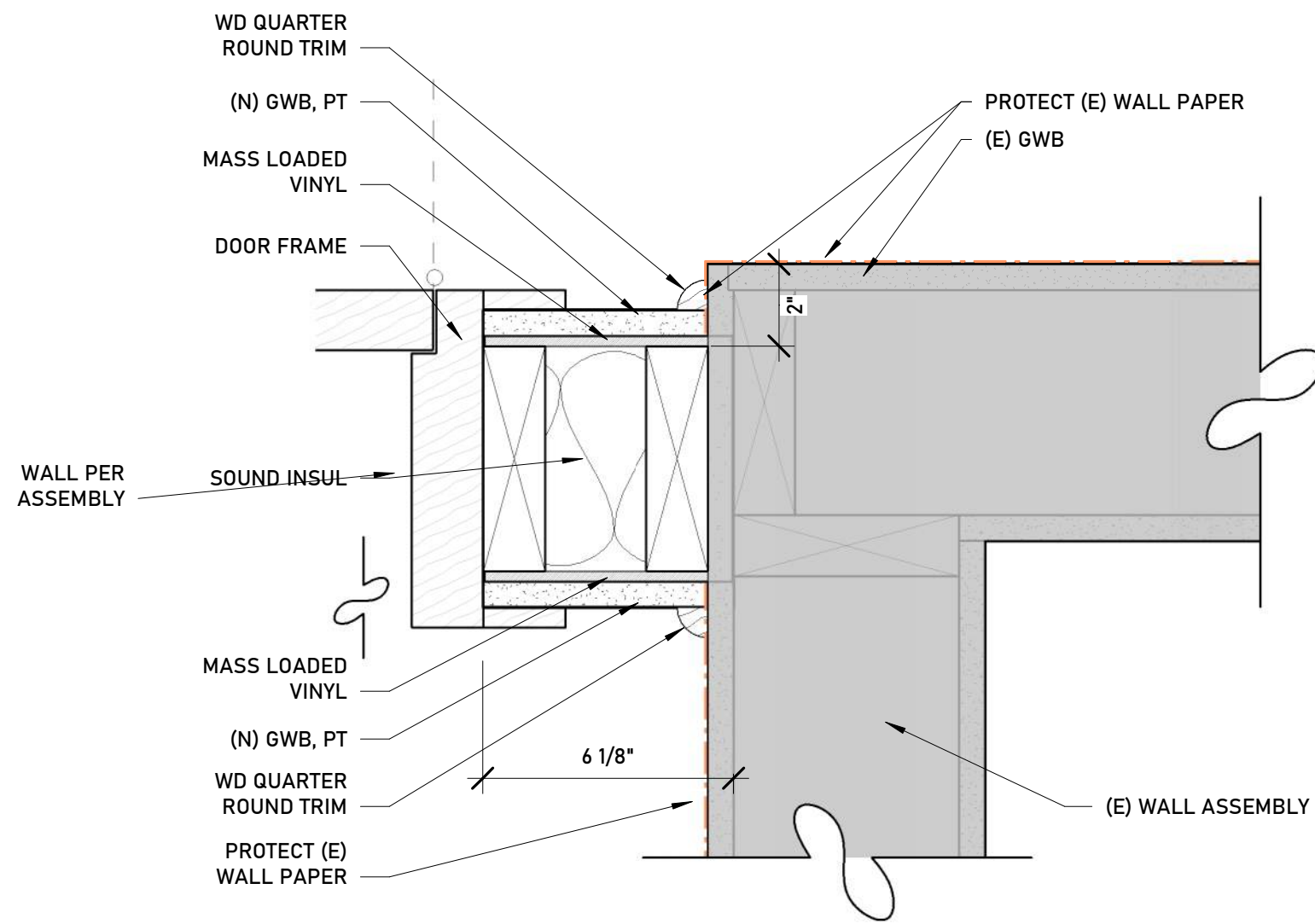
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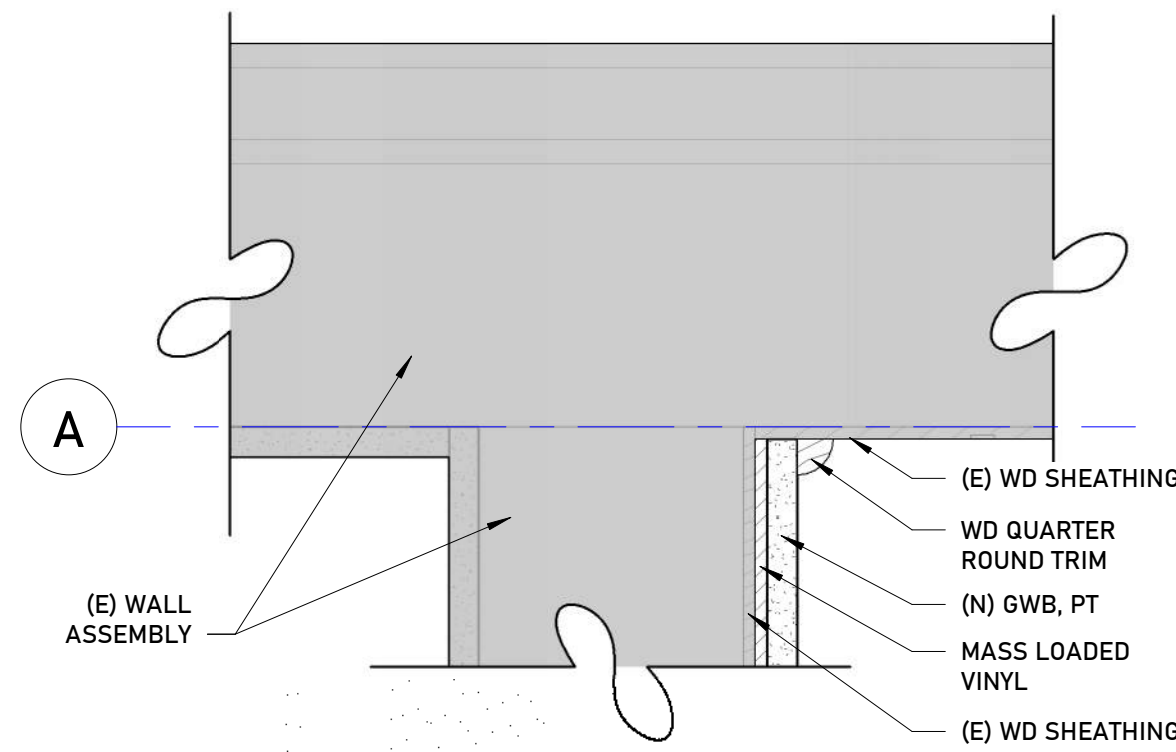
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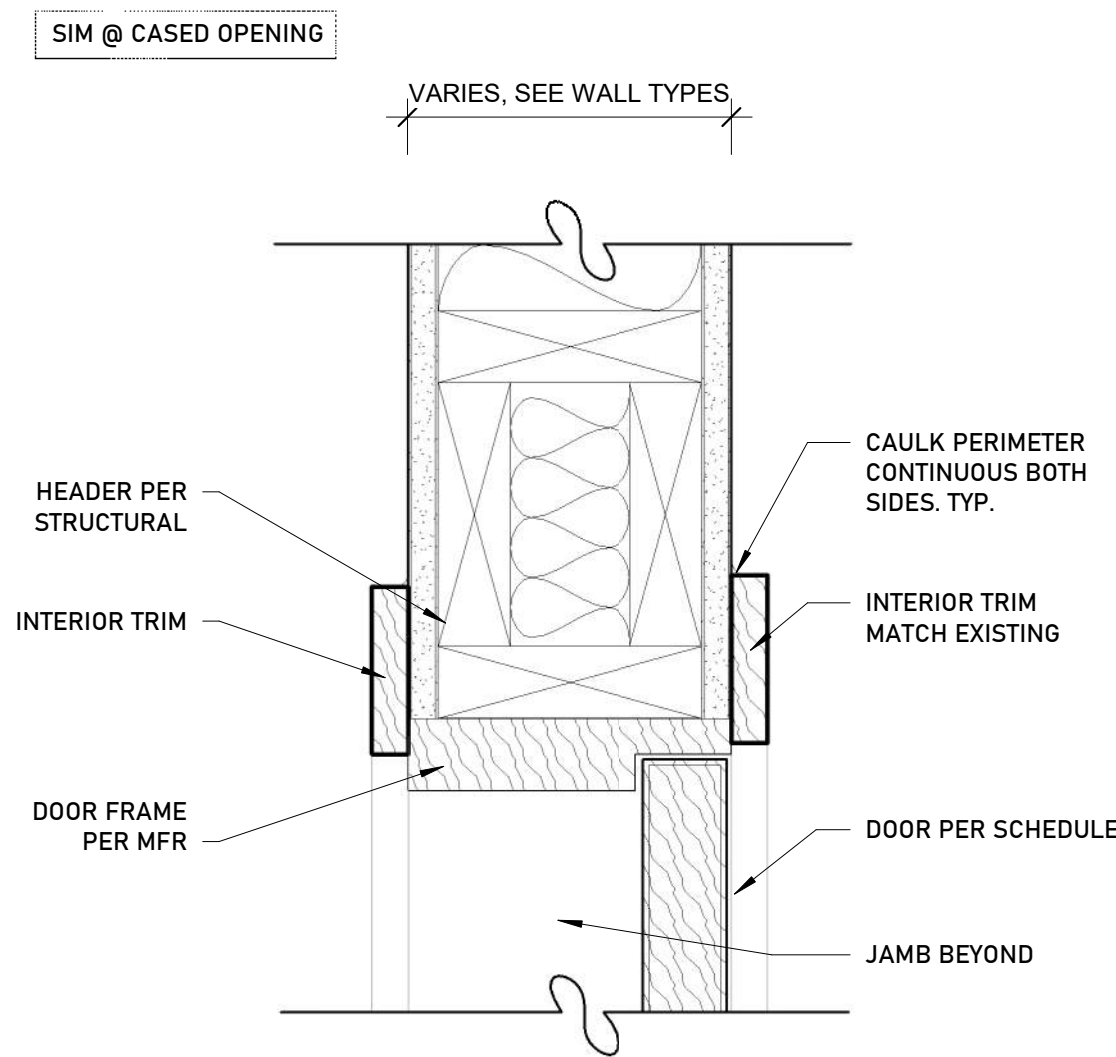
1 PLAN DETAIL - INFILL @ RECEPTION 103
A7.01 3" = 1'-0"



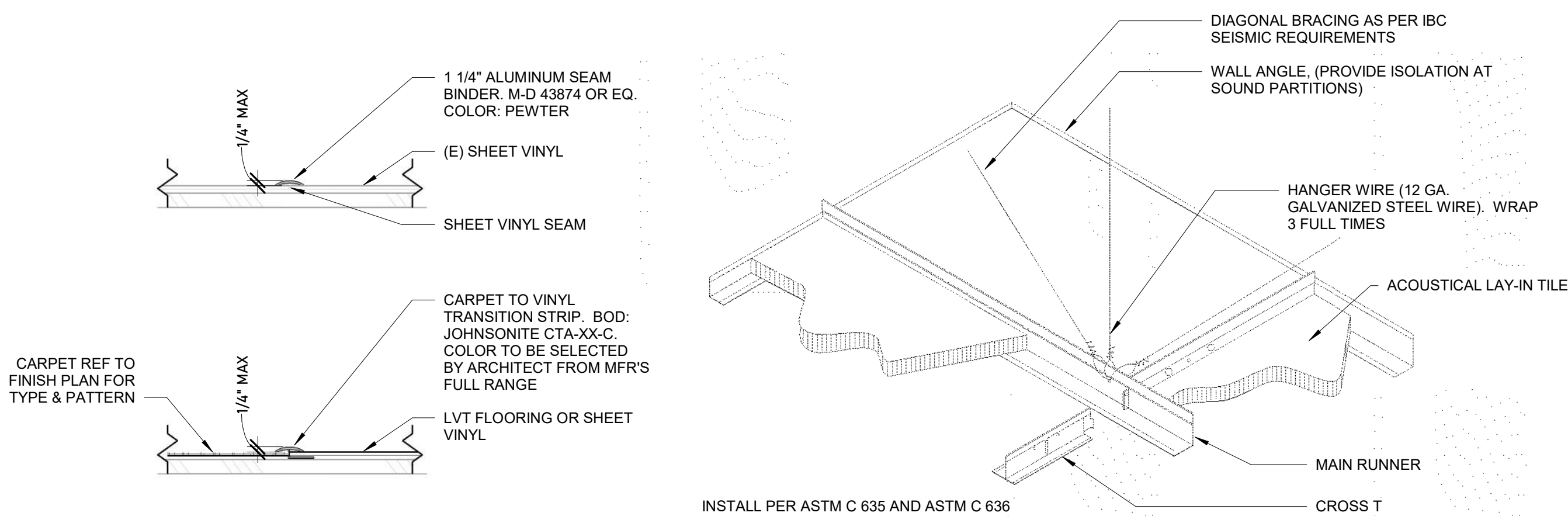
2 PLAN DETAIL - CORNER CONDITION @ (N) MECH 203 WALL
A7.01 3" = 1'-0"



3 PLAN DETAIL - CORNER CONDITION @ OFFICE 205
A7.01 3" = 1'-0"



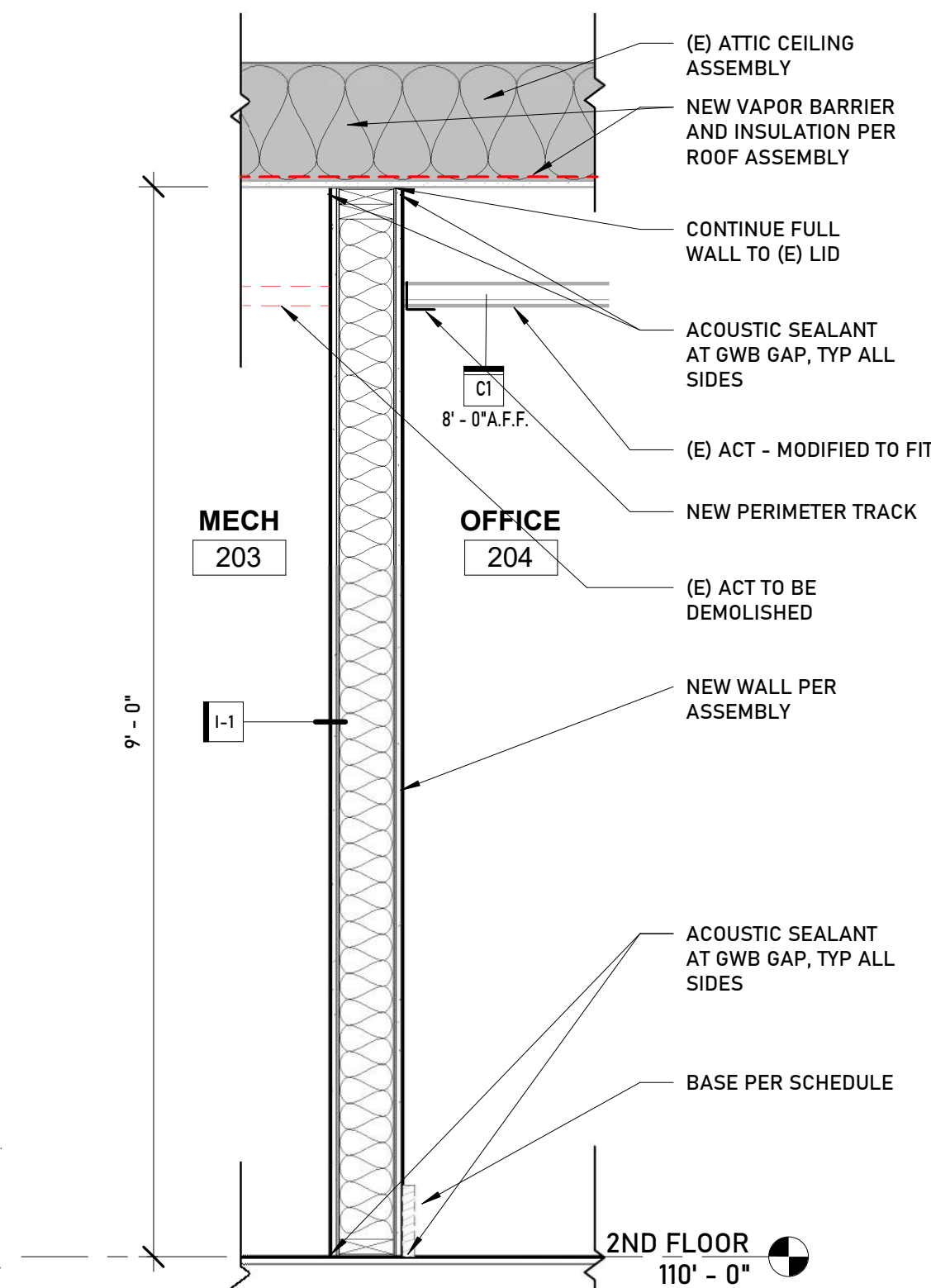
4 SECTION DETAIL - INT DOOR HEAD/ JAMB
A7.01 3" = 1'-0"



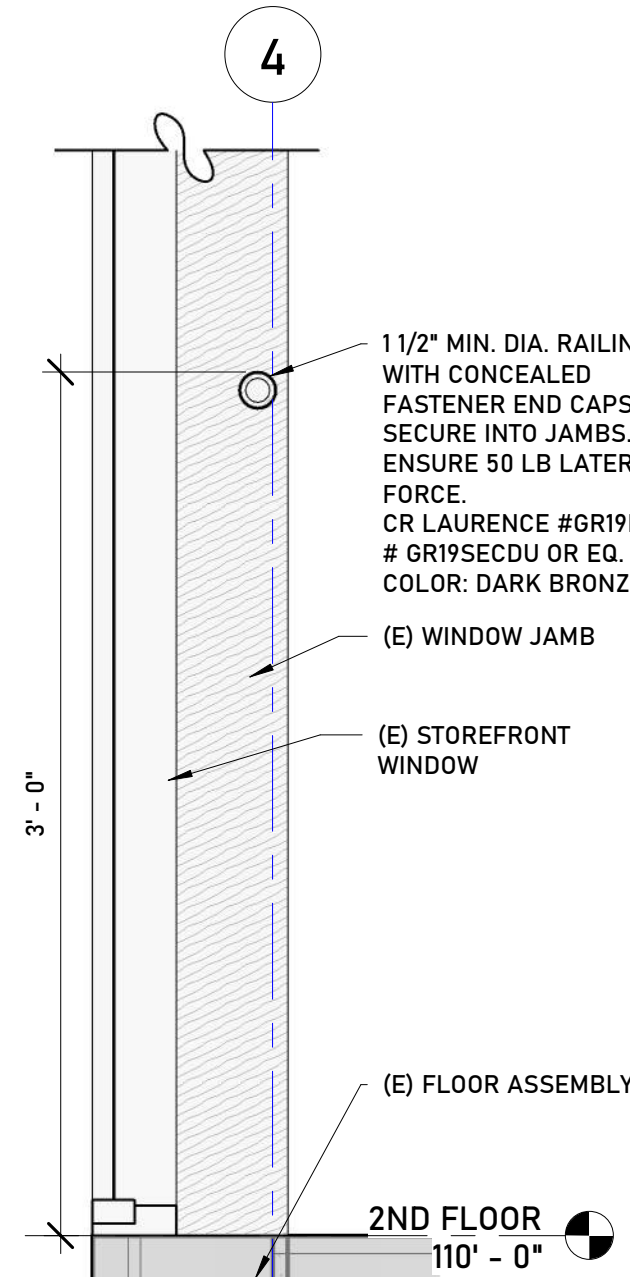
6 FLOOR TRANSITIONS
A7.01 3" = 1'-0"

7 CEILING DETAIL - ACOUSTICAL TILE
A7.01 3" = 1'-0"

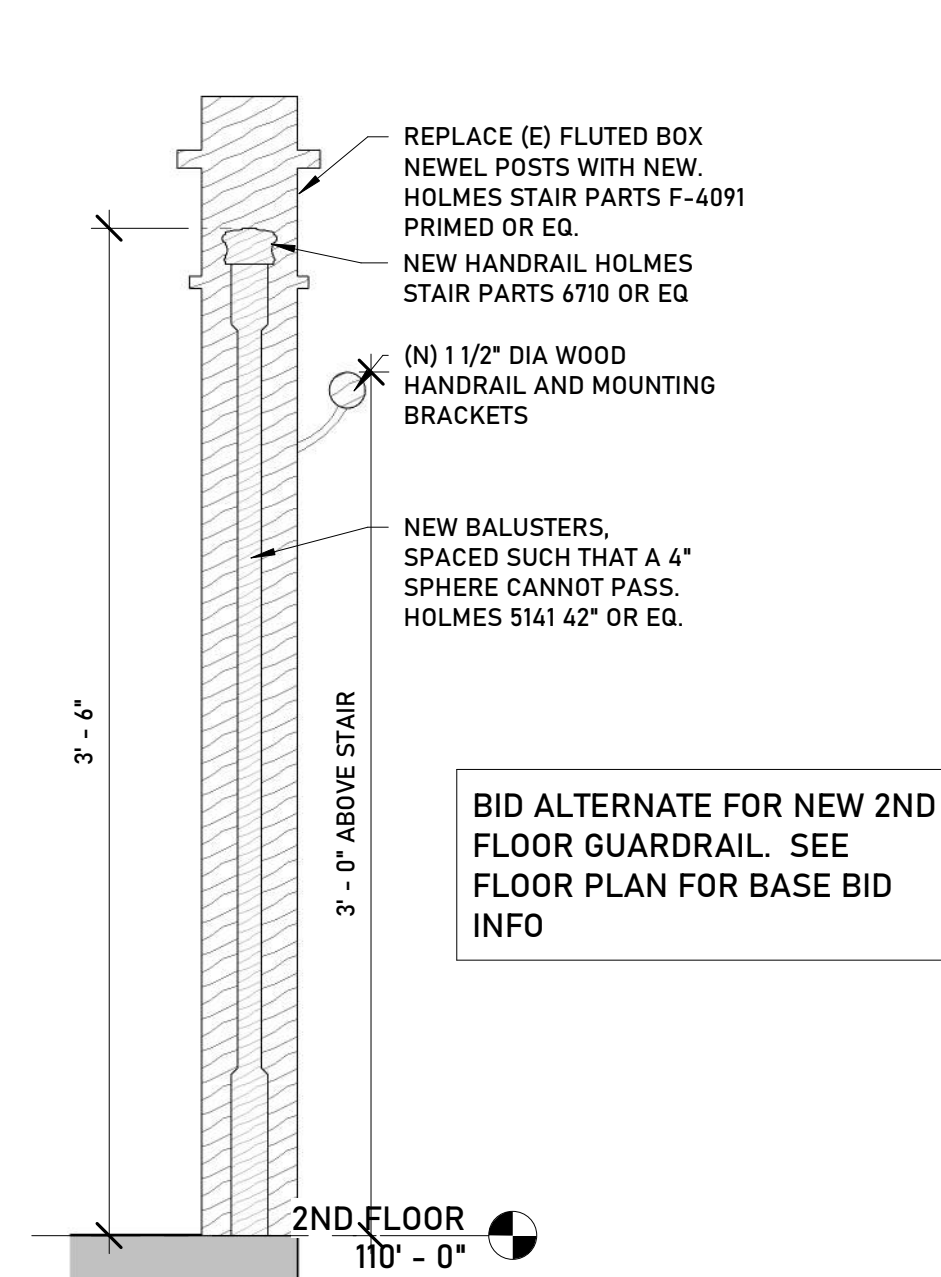
8 CASED OPENING
A7.01 3" = 1'-0"



10 SECTION AT NEW ACOUSTIC WALL
A7.01 3/4" = 1'-0"



11 SECTION DETAIL - 2ND FLOOR GUARDRAIL @ WINDOW
A7.01 1 1/2" = 1'-0"



12 SECTION DETAIL - 2ND FLOOR GUARDRAIL
A7.01 1 1/2" = 1'-0"



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INTERIOR DETAILS

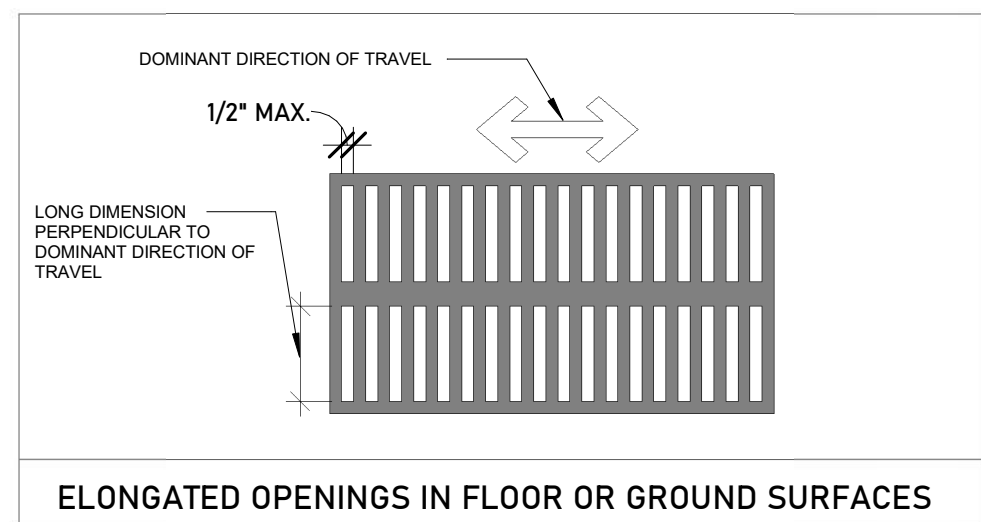
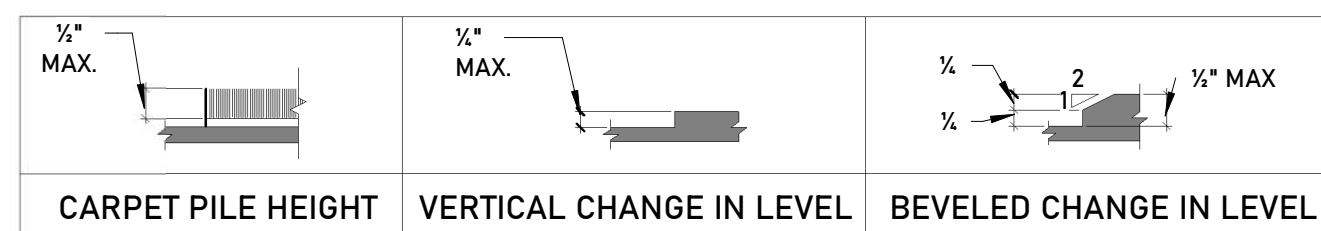
FOR CONSTRUCTION

A7.01

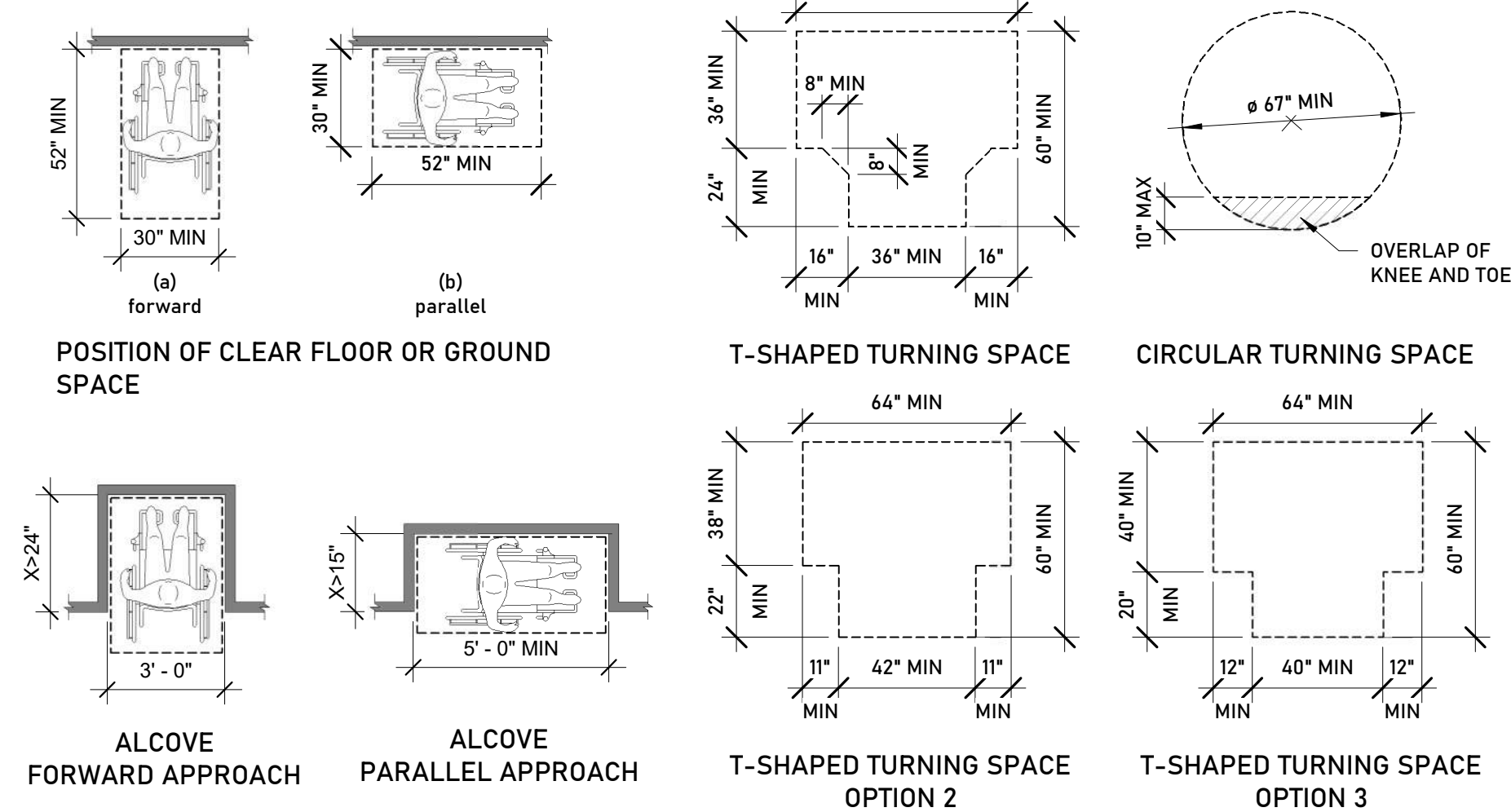
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Exhibit B

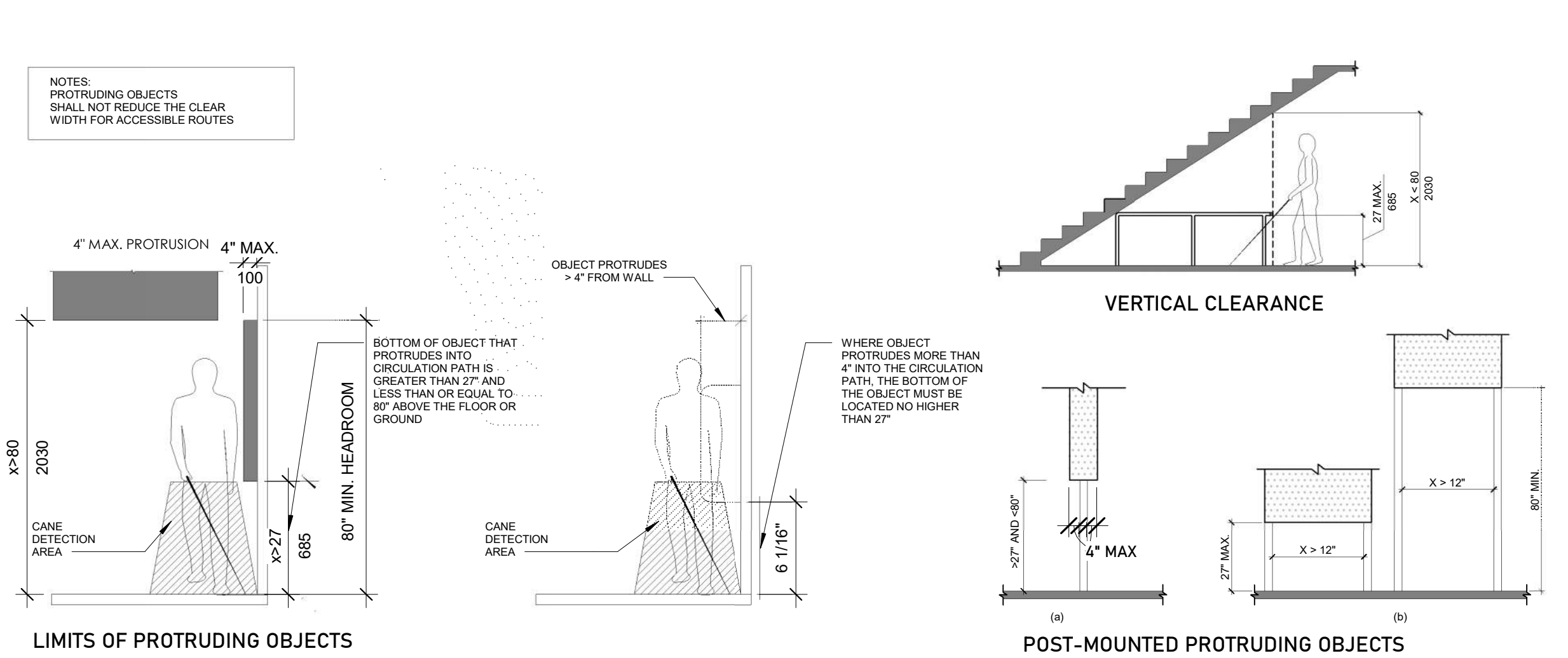
FLOORING



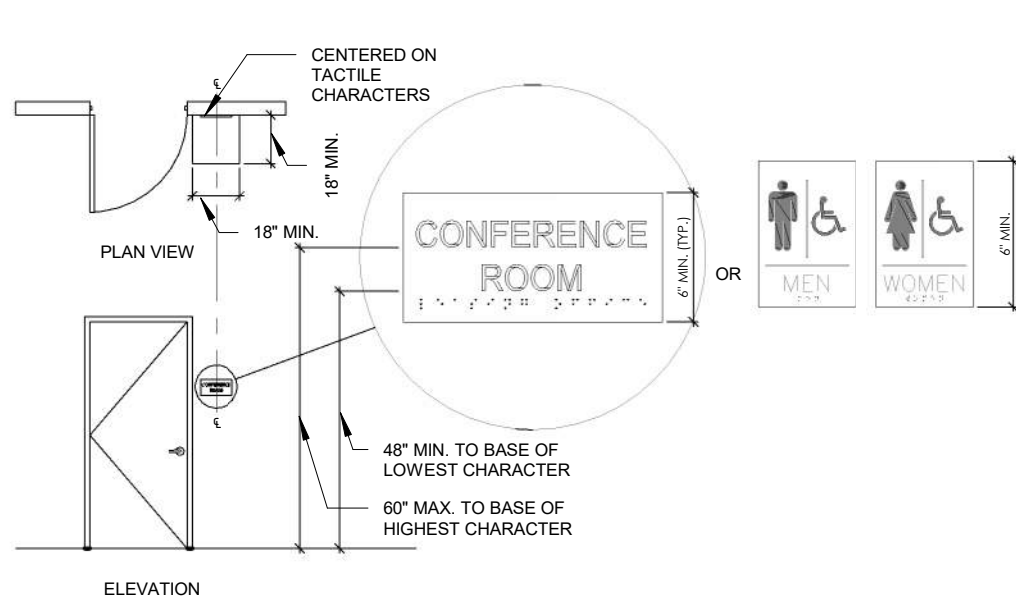
MANEUVERING CLEARANCES



PROTRUDING OBJECTS CLEARANCES



COMMUNICATION ELEMENTS AND FEATURES

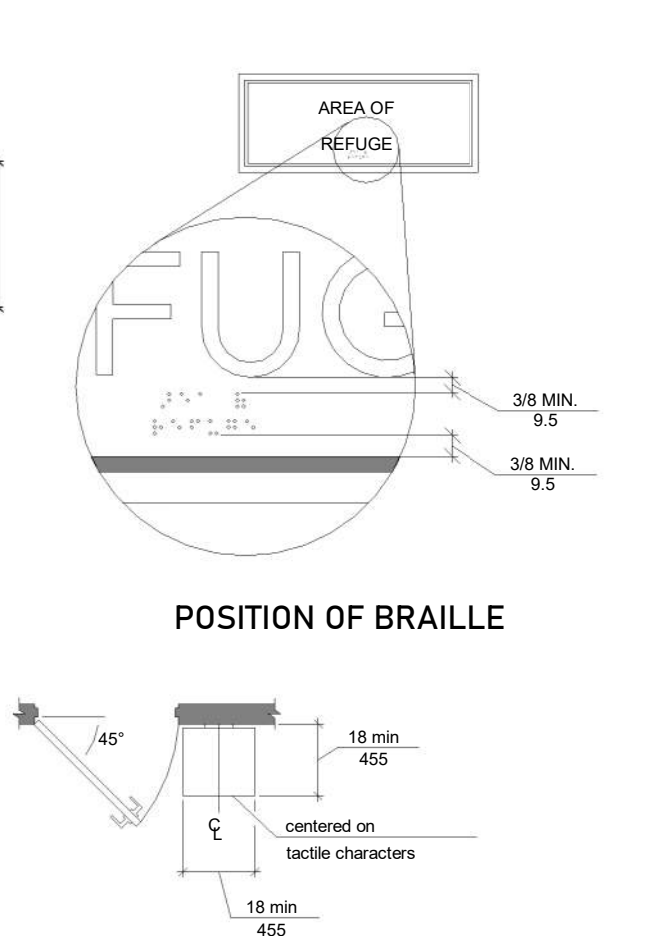


NOTES:

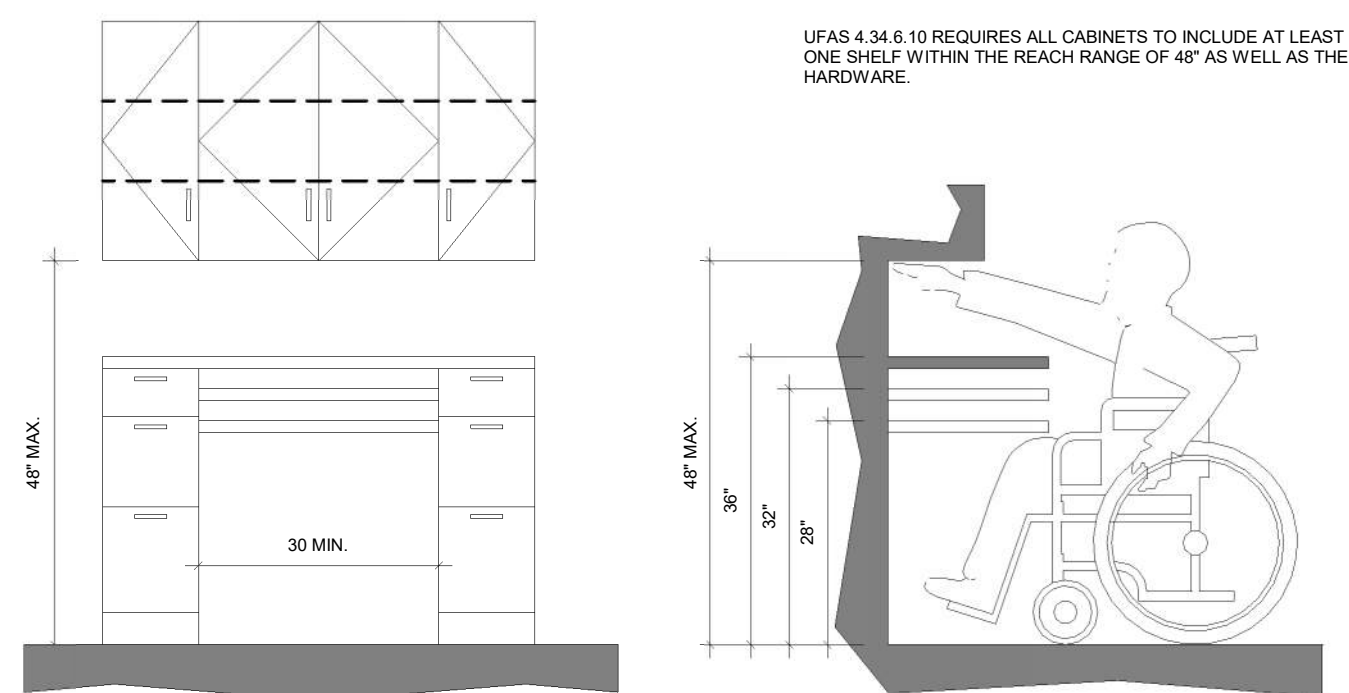
1. CHARACTERS SHALL BE 48 INCHES MINIMUM AND 60 MAXIMUM ABOVE THE FLOOR OR FINISH SURFACE, MEASURED TO THE BASELINE OF THE CHARACTERS.
2. WHERE A SIGN CONTAINING TACTILE CHARACTERS IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR ON THE LATCH SIDE WHERE A TACTILE SIGN IS PROVIDED TO INDICATE THE LOCATION OF THE DOOR. IF THE DOOR IS ON THE RIGHT-HAND SIDE, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED AT LEAST 48 INCHES ABOVE THE FINISH SURFACE, CENTERED ON THE SIGN, BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
3. SIGNS SHALL BE LOCATED AT LEAST 48 INCHES ABOVE THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

RIGHT TO INFORMATION ACT, 2019
ADDITIONAL STANDARDS FOR REQUIREMENTS OF TACTILE CHARACTERS, VISUAL CHARACTERS, AND PICTOGRAMS.

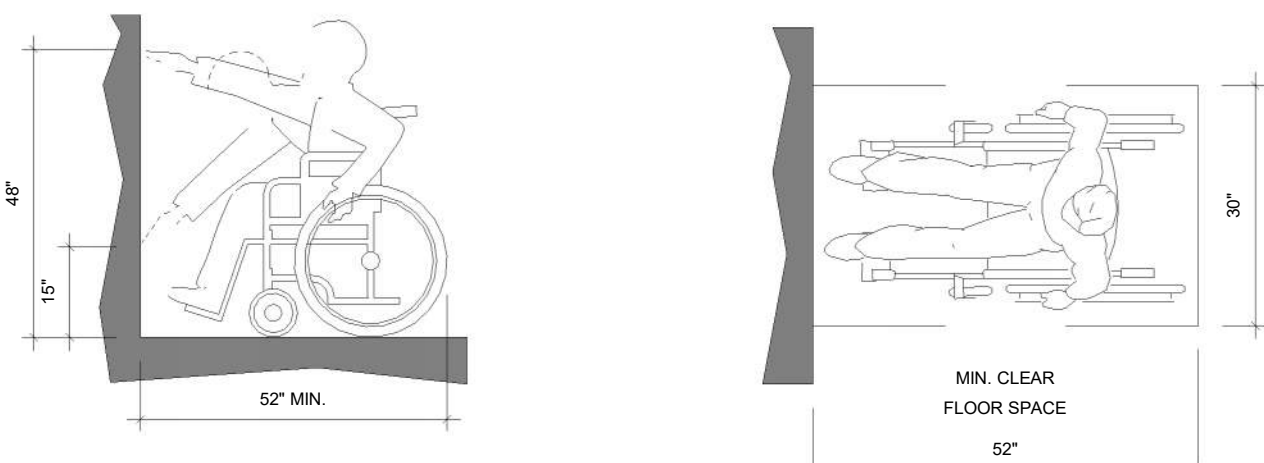
HEIGHT OF TACTILE CHARACTERS ABOVE FLOOR OR GROUND



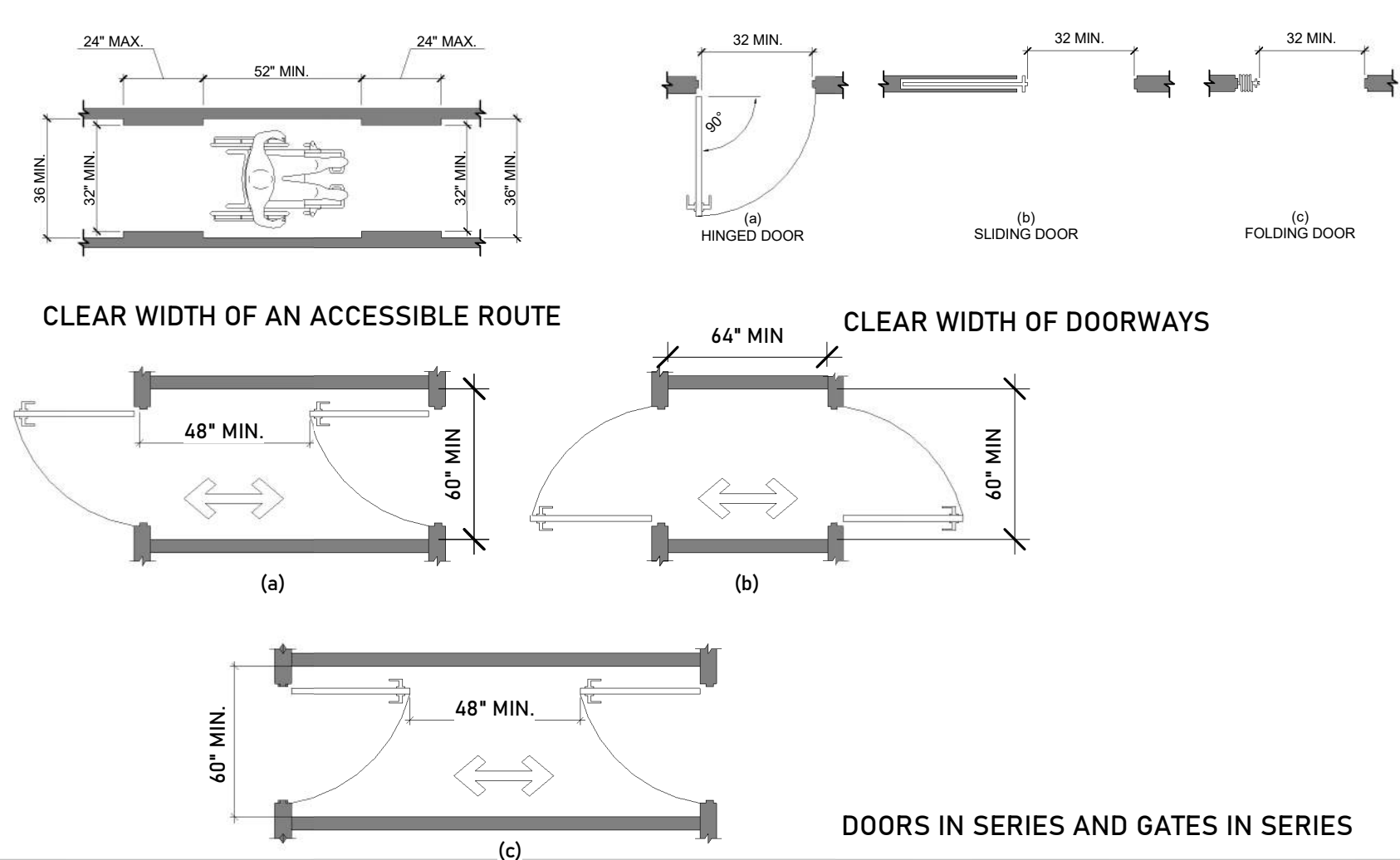
ACCESSIBLE MOUNTING HEIGHT DETAILS



CABINETS AND BASE REMOVED AND HEIGHT ALTERNATIVES

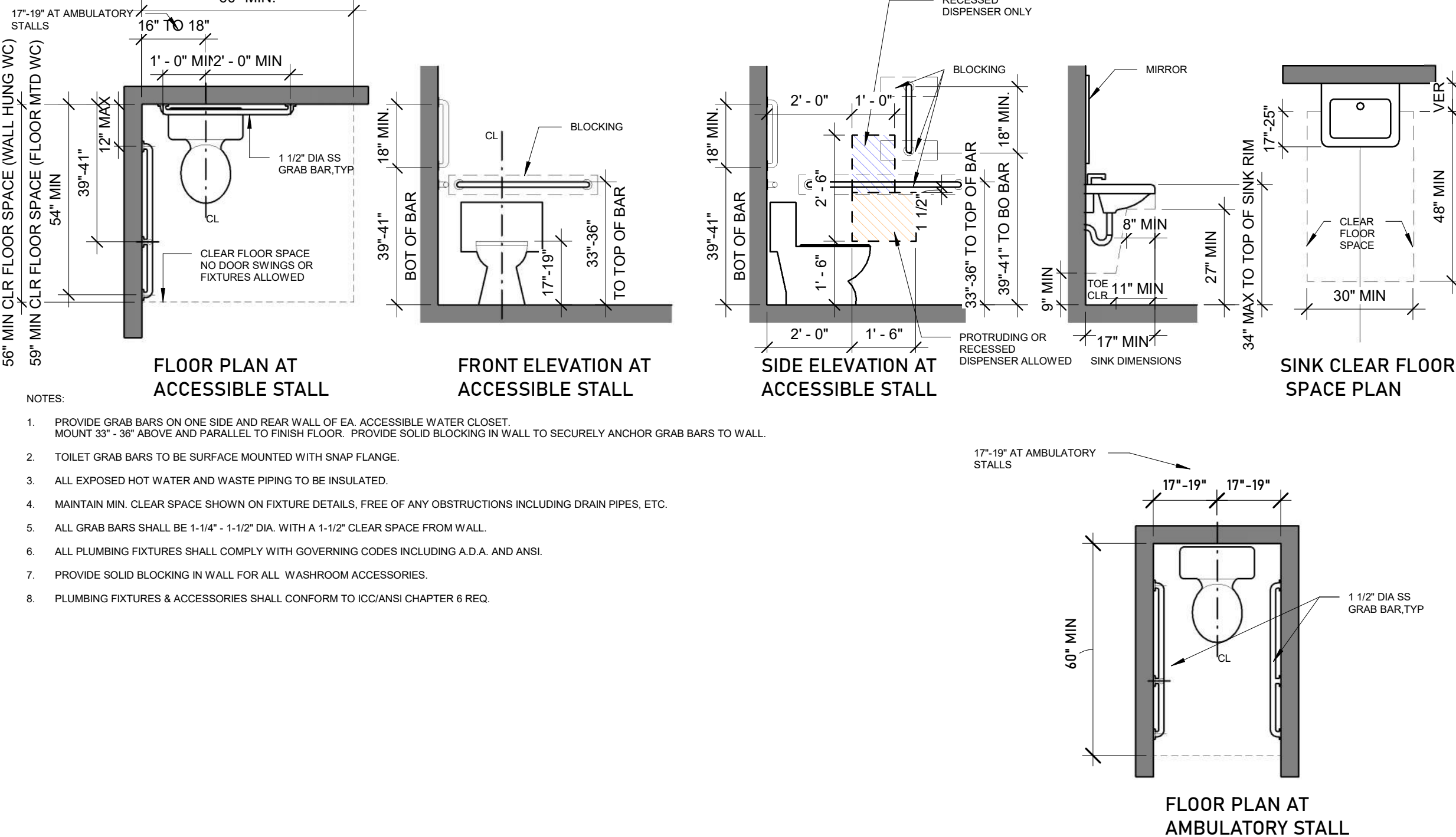


UNOBSTRUCTED FORWARD REACH LIMIT

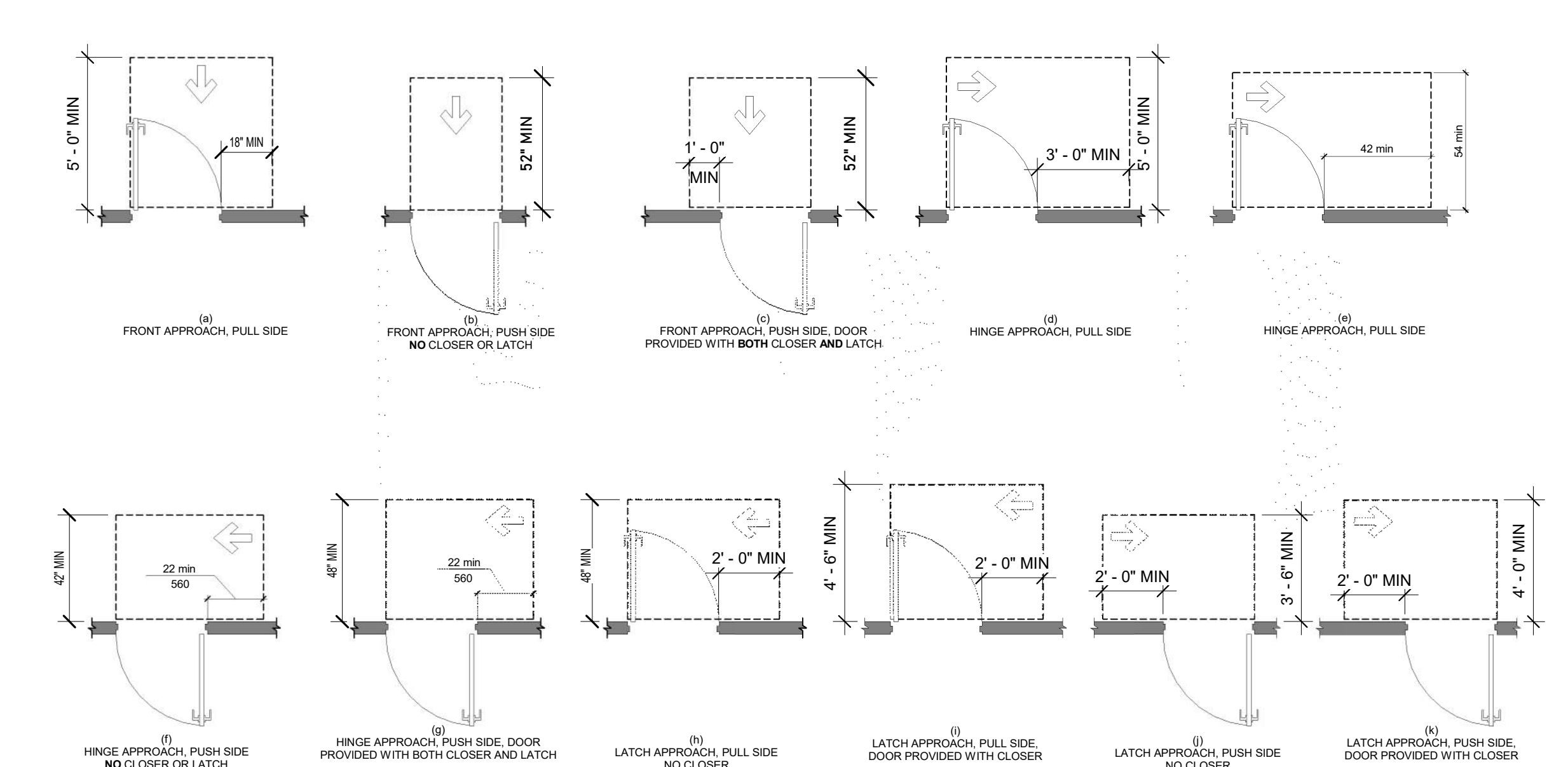


DOORS IN SERIES AND GATES IN SERIES

PLUMBING ELEMENTS AND FACILITIES



DOOR SWING CLEARANCES



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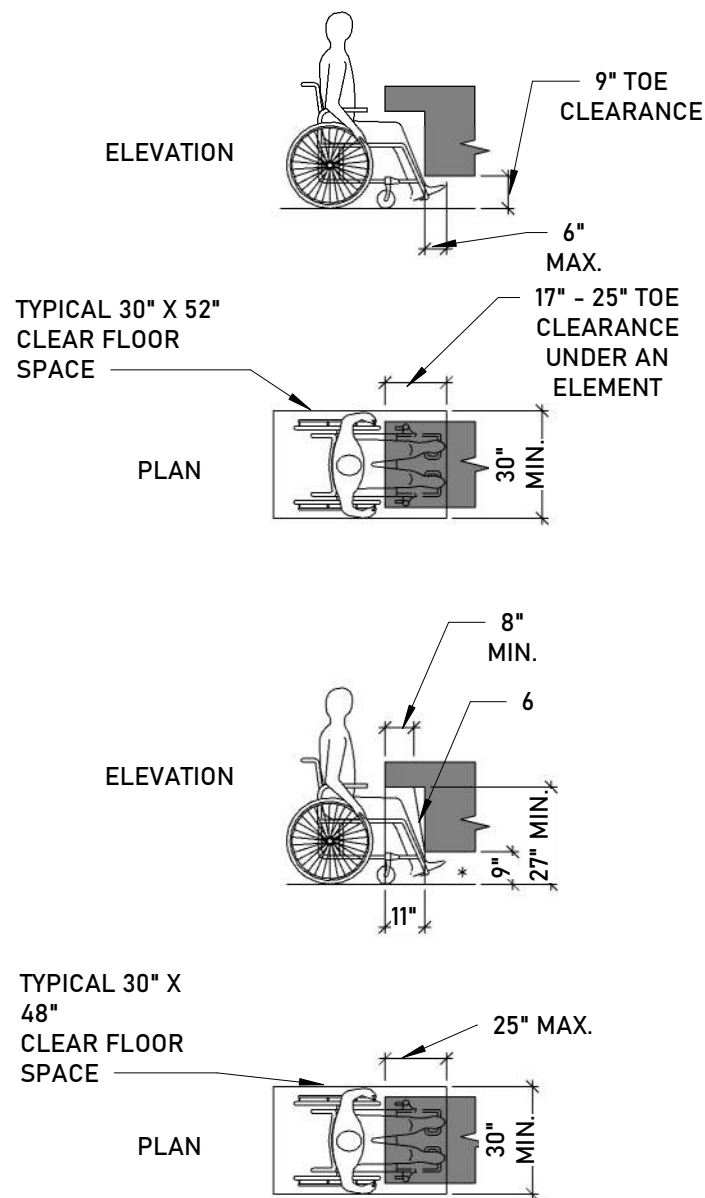
ADA DETAILS

FOR CONSTRUCTION

A7.02

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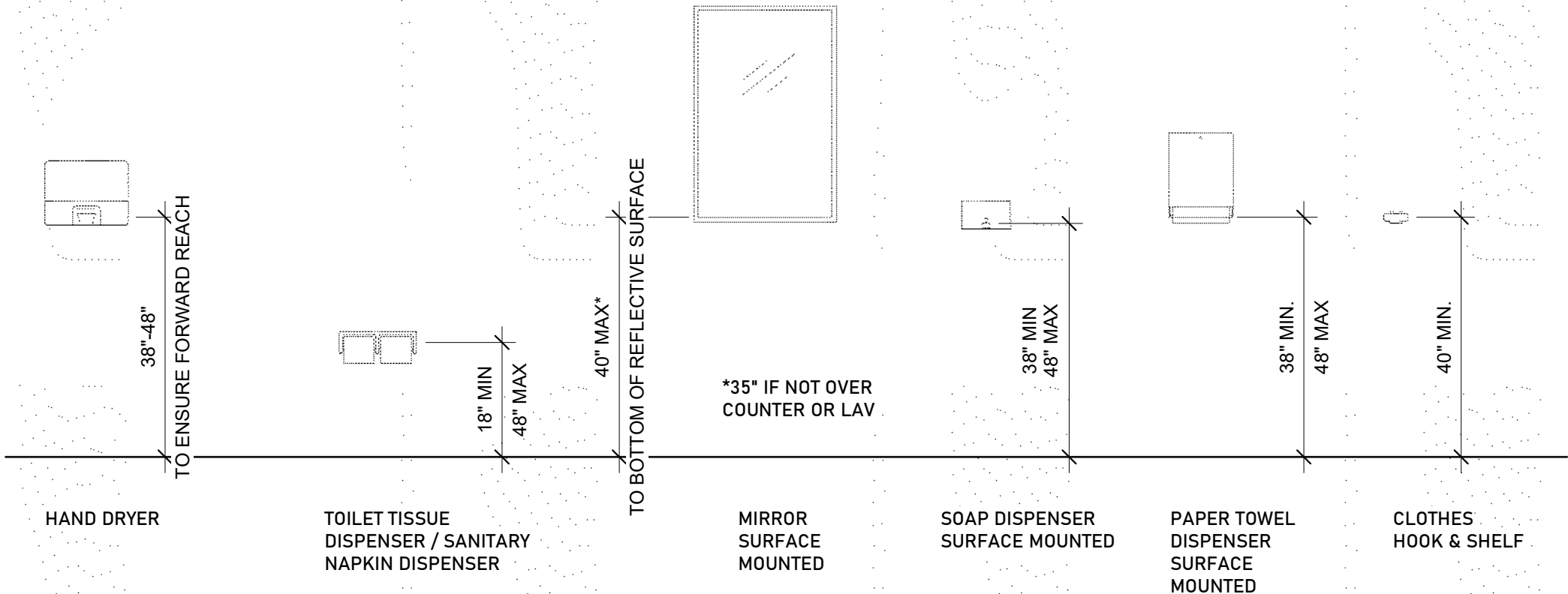
TOE AND KNEE CLEARANCE



- NOTES:
1. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9" ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE.
 2. TOE CLEARANCE SHALL 25" MAX. UNDER AND ELEMENT.
 3. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF THE CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" MIN. UNDER THE ELEMENT.
 4. TOE CLEARANCE SHALL BE 30" WIDE MINIMUM.
- NOTES:
1. SPACE UNDER AN ELEMENT BETWEEN 9" AND 27" ABOVE THE FINISH FLOOR SHALL BE CONSIDERED KNEE CLEARANCE.
 2. KNEE CLEARANCE SHALL EXTEND MAX. UNDER AN ELEMENT AT 9" ABOVE THE FINISH FLOOR GROUND.
 3. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11" DEEP MIN. AT 9" ABOVE THE FLOOR OR GROUND, AND 8" DEEP MIN. AT 27" ABOVE THE FINISH FLOOR OR GROUND.
 4. BETWEEN 9" AND 27" ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1" IN DPETH FOR EVERY 6" IN HEIGHT.

TYPICAL ACCESSORY MOUNTING HEIGHTS

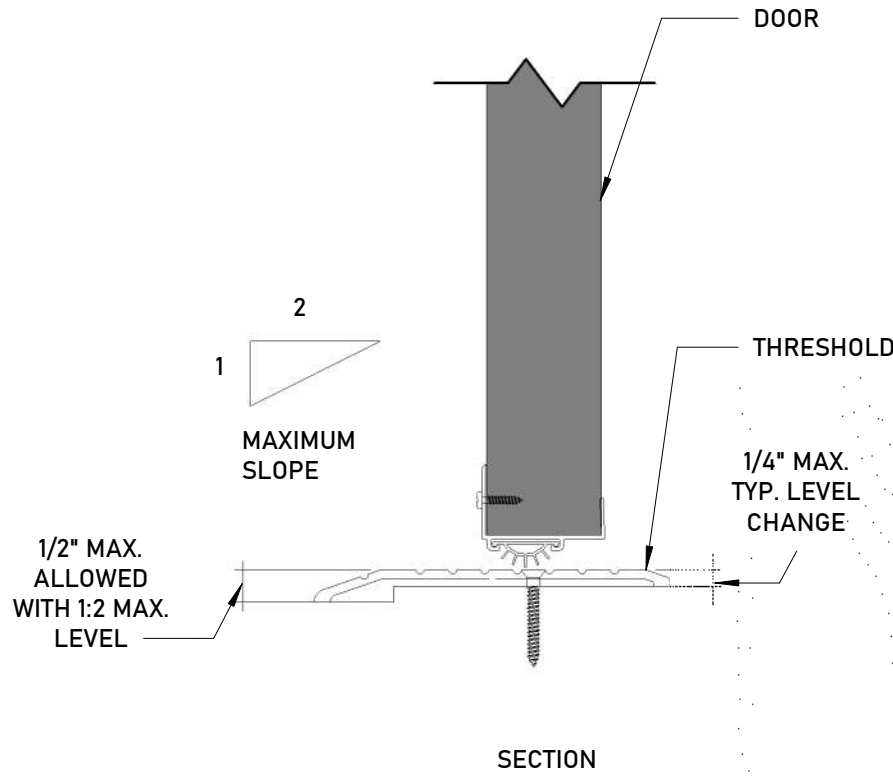
- NOTES:
- 1. PROVIDE WOOD BLOCKING FOR ALL TOILET ACCESSORIES MOUNTED IN GWB PARTITIONS.
 - 2. MAINTAIN INTEGRITY OF FIRE RATING WHERE ACCESSORIES ARE IN RATED WALLS.
 - 3. DIMENSIONS SHOWN ARE TO OPERABLE FEATURES U.N.O.
 - 4. SEE ELECTRICAL SHEETS FOR ALL ELECTRICAL MOUNTING HEIGHT REQUIREMENTS



ACCESSIBLE FIXTURE NOTES:

- NOTES:
1. PROVIDE GRAB BARS ON ONE SIDE AND REAR WALL OF EA. ACCESSIBLE WATER CLOSET. MOUNT 33" - 36" ABOVE AND PARALLEL TO FINISH FLOOR. PROVIDE SOLID BLOCKING IN WALL TO SECURELY ANCHOR GRAB BARS TO WALL.
 2. TOILET GRAB BARS TO BE SURFACE MOUNTED WITH SNAP FLANGE.
 3. ALL EXPOSED HOT WATER AND WASTE PIPING TO BE INSULATED.
 4. MAINTAIN MIN. CLEAR SPACE SHOWN ON FIXTURE DETAILS, FREE OF ANY OBSTRUCTIONS INCLUDING DRAIN PIPES, ETC.
 5. ALL GRAB BARS SHALL BE 1-1/4" - 1-1/2" DIA. WITH A 1-1/2" CLEAR SPACE FROM WALL.
 6. ALL PLUMBING FIXTURES SHALL COMPLY WITH GOVERNING CODES INCLUDING A.D.A. AND ANSI.
 7. PROVIDE SOLID BLOCKING IN WALL FOR ALL WASHROOM ACCESSORIES.
 8. PLUMBING FIXTURES & ACCESSORIES SHALL CONFORM TO ICC/ANSI CHAPTER 6 REQ.

ACCESSIBLE DOOR THRESHOLD



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ADA DETAILS

FOR CONSTRUCTION

A7.03

2026.08.31

Exhibit B

MECHANICAL LEGEND			
ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	(N)	NEW
AG	ABOVE GRADE	NC	NORMALLY CLOSED
ARCH	ARCHITECT OR ARCHITECTURAL	NO	NORMALLY OPEN
C.O.	CLEANOUT	RA	RETURN AIR
DN	DOWN	SA	SUPPLY AIR
(E)	EXISTING	SS	STAINLESS STEEL
FCO	FLOOR CLEANOUT	TYP	TYPICAL
FA	FRESH AIR	VTR	VENT THROUGH ROOF
MECH.	MECHANICAL	WCO	WALL CLEANOUT

CONVENTIONS			
	NEW WORK (DARK)		SECTION REFERENCE
	EXISTING (LIGHT)		
	DEMOLISH		AIR DEVICE MARK: AIR DEVICE NUMBER ON TOP, CFM ON BOTTOM

HVAC			
	SUPPLY AIR DUCT		MOTOR OPERATED DAMPER
	RETURN AIR DUCT		VOLUME DAMPER
	RECTANGULAR DUCT		BACKDRAFT DAMPER
	RECTANGULAR TO ROUND DUCT TRANSITION		FIRE DAMPER
	HEEL TAP BRANCH		COMBINATION FIRE/SMOKE DAMPER
	ELBOW W/ TURNING VANES		THERMOSTAT
	HIGH-EFFICIENCY TAKE-OFF WITH DAMPER		TEMPERATURE SENSOR
	FLEXIBLE DUCT		MANUAL SWITCH
	HATCH INDICATES NEW MECHANICAL EQUIPMENT		CARBON MONOXIDE SENSOR
	HATCH INDICATES EXPOSED DUCTWORK AND AIR DEVICES		CARBON DIOXIDE SENSOR
			SUPPLY AIR DEVICE WITH AIR FLOW DIRECTIONS INDICATED
			RETURN AIR DEVICE

PLUMBING AND HYDRONIC			
	DOMESTIC COLD WATER		CONDENSATE DRAIN
	SOFTENED COLD WATER		IRRIGATION PIPING
	DOMESTIC HOT WATER		LOW PRESSURE STEAM
	HOT WATER RECIRCULATION		MEDIUM PRESSURE STEAM
	WASTE		GRAVITY CONDENSATE RETURN
	SANITARY WASTE		PUMPED CONDENSATE RETURN
	GREASE WASTE		NATURAL GAS
	VENT		PROPANE PIPING
	HEATING WATER SUPPLY		COMPRESSED AIR PIPING
	HEATING WATER RETURN		VACUUM PIPING
	CHILLED WATER SUPPLY		NITROUS OXIDE GAS PIPING
	CHILLED WATER RETURN		ROOF DRAINAGE PIPING
	GROUNDWATER SUPPLY		ROOF DRAIN OVERFLOW PIPING
	GROUNDWATER RETURN		
	TEE UP		COLD SUPPLY STOP
	TEE DOWN		HOT SUPPLY STOP
	ELBOW UP		P-TRAP
	ELBOW DOWN		P-TRAP
	CLEANOUT		HOSE END DRAIN
	CLEANOUT		CAP
	FLOOR DRAIN		UNION
	FLOOR SINK		
	GLOBE VALVE		TRAP
	ISOLATION VALVE		TEST PLUG
	PRESSURE REDUCING VALVE		STRAINER
	CHECK VALVE		THERMOMETER
	BACKFLOW PREVENTOR		IMMERSION WELL & SENSOR
	GAS VALVE		PUMP
	MANUAL BALANCE VALVE		FIRE SPRINKLER HEAD
	RELIEF VALVE		METER
	TWO-WAY CONTROL VALVE		MANUAL AIR VENT
	THREE-WAY CONTROL VALVE		PIPING ISOLATOR
	CONCENTRIC REDUCER		GAUGE
	ECCENTRIC REDUCER		POINT OF CONNECTION

GENERAL SPECIFICATIONS

PART 1-GENERAL

All work shall be performed in accordance with the governing codes. Comply with the requirements of the local jurisdiction and all supplying utilities. Comply with EPA Safe Water Drinking Act, including all lead-free requirements.

The intent of the drawings is to depict fully functioning new and revised HVAC and plumbing systems. All incidental and necessary items that are normally required for the type of work shown on the plans, but that are not explicitly shown on the plans, shall be included in the work.

All work shall be performed in a neat and professional manner. The appearance of the finished work is important to the owner. All piping shall be run parallel to building structure. All penetrations shall be neat.

All materials shall be new and in good condition.

Contractor shall obtain and pay for all necessary permits.

Contractor shall provide engineer with a complete copy of all comments received from the City or County Building Inspection department, Health Department, and all other reviewing agencies. Comments shall be provided within five days of the contractor receiving them. Engineer shall not be held responsible for delays to the project resulting from untimely receipt of comments from the contractor.

Contractor may substitute fixtures and equipment by alternate manufacturers provided they are of substantially equivalent quality and capacity and comply with any additional requirements listed in specific HVAC or plumbing spec sections.

Contractor shall notify Engineer within 24 hours if he is notified, becomes aware of himself, or is of the opinion, that there is an error or omission in the specifications or drawings. Engineer shall have seven calendar days to address any alleged error or omission. If Contractor does not notify Engineer within 24 hours and/or if Contractor continues to work in and around the area of the alleged error or omission prior to a resolution of the alleged error or omission, Engineer shall not be liable for any rework required to correct the alleged error or omission. Rework shall be defined as any additional costs above what the Owner would have incurred if the alleged error were not in the construction drawings and/or any materials or equipment omitted were included in the construction drawings.

PART 2-COORDINATION

Contractor shall recognize that plans are diagrammatic in nature.

Consult all drawings of each contract for the project to predetermine that work and equipment will fit as planned. Check the location of piping, ducts, equipment, etc., to determine that all work clears openings, structural members, cabinets, lights, outlets, and other work or equipment having fixed locations.

Plan all work so that it proceeds with a minimum of interference with other trades. All openings required in the building construction for the installation of mechanical work are the responsibility of the trade providing such work unless otherwise noted or shown. Provisions shall be made for all special frames, openings, and pipe sleeves as required.

Cooperate with other trades in furnishing material and information for correct location, in proper sequence, of all wiring, openings, clearances, access doors, and the like.

If at any time and in any case a change in location of piping, ducts, equipment, etc., becomes necessary due to obstacles or the installation of the work of other trades shown on any of the project drawings, make such required changes at no extra cost for materials or labor.

Cutting and patching shall be the responsibility of the trade requiring cutting and patching.

PART 3-ACCESS TO EQUIPMENT

Locate all motors, valves, control devices, specialties, fire dampers, etc., to provide easy access for operation, repair, and maintenance. If concealed in ductwork, walls, ceilings or other locations, provide and install access doors. Access doors in fire-rated assemblies shall have fire-rating suitable for assembly.

PART 4-SHOP DRAWINGS

Provide Engineer and Architect each with one electronic copy of submittals on all equipment, fixtures, materials and other manufactured items. In general, all submittals and shop drawings must be received and accepted prior to construction. Engineer and Architect will have 10 business days to review submittals.

All submittals shall include the mark of the piece of equipment being submitted on; if a mark was not indicated on the drawings or elsewhere in these specs, a short description of the item may be used instead. The model number of proposed item shall be highlighted on the cut sheets. All proposed options or accessories shall also be highlighted. Submittals that do not contain this identifying information shall be REJECTED.

PART 5-TESTING AND BALANCING

Contractor shall adjust furnaces, exhaust fans, and air devices to the quantities shown on the drawings, with variances from design as allowed by the current edition of the National Environmental Balancing Bureau (NEBB) Standards. Provide Owner and Engineer each with one electronic copy of final report on NEBB or SMACNA forms.

PART 6-OPERATING TESTS AND ADJUSTMENTS

After substantial completion of the work, but before final payment is made, run a test over a sufficient period of time to prove the proper capacity and performance of all apparatus and of the systems as a whole. Test and adjust alarms for satisfactory operation. Thoroughly check all safety and protection devices to assure proper operation and protection.

PART 7-INSTRUCTIONS IN OPERATION

At the conclusion of the project, Contractor shall give complete operating and maintenance instructions to the operating personnel selected by the Owner.

PART 8-WARRANTY AND SERVICE

Contractor shall provide one year warranty on all work and equipment commencing from the date of substantial completion.

Contractor shall provide all service, maintenance, and trouble shooting on all mechanical work through the date of completion and continuing for a period of 30 days after that date.

PART 9-MAINTENANCE MANUALS

At the conclusion of the project, Contractor shall provide one set of the maintenance manuals to Owner. Manuals shall be either paper or electronic as directed by Owner. Collect literature in like new condition for all pieces of mechanical equipment. If manuals are to be paper, assemble literature in three-ring, loose-leaf binders with appropriately labeled dividers.

MECHANICAL SHEET INDEX

MP0.1 - LEGEND AND GENERAL SPECIFICATIONS

M0.1 - HVAC SPECIFICATIONS

M0.2 - HVAC SCHEDULES

M1.1 - HVAC PLANS

M1.2 - ROOF HVAC PLAN

M2.1 - HVAC DETAILS

P0.1 - PLUMBING SCHEDULES AND SPECIFICATIONS

P1.1 - WASTE AND VENT PLANS

P2.1 - SUPPLY PIPING PLANS AND DETAIL

GOVERNING CODES

2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 UNIFORM PLUMBING CODE
2021 INTERNATIONAL FUEL GAS CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2020 NATIONAL ELECTRIC CODE

Mechanical Compliance Certificate

Project Information

Energy Code:
Project Title:
Location:
Climate Zone:
Project Type:

2021 IECC
Missoula County 311 Woody St Remodel
Missoula, Montana
6B
Alteration

Construction Site:
311 Woody St
Missoula, Montana 59802

Owner/Agent:

Designer/Contractor:
Julie Aldagare
Western Montana Engineering, Inc.
1527 South Russell
Missoula, Montana 59801
406-721-5778
julie@westernmtengineering.com

Mechanical Systems List

Quantity	Component	Description
HVAC Systems		
1	F-1 System (Single Zone)	Heating: 1 each - Central Furnace, Gas, Capacity = 80 kBtu/h Proposed Efficiency = 97.00% EI, Required Efficiency: 80.00 % EI or 80% AFUE Cooling: 1 each - Split System, Capacity = 43 kBtu/h, Air-Cooled Condenser, Unknown Economizer Proposed Efficiency = 15.20 SEER2, Required Efficiency = 13.40 SEER2 Proposed Part Load Efficiency = 0.80, Required Part Load Efficiency = 0.80

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMechCode and to comply with any applicable jurisdictional requirements listed in the Inspection Checklist.

B-6-26

Name - Title

Signature

Date

Report Title: Missoula County 311 Woody St Remodel

Report Date: Aug 06, 2026, 02:00 PM (PDT)

2 of 19

MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #:

REV	DESC	DATE	PHASE	DATE			
				PRE	SD	DD	CD
1	OWNER REV.	09/27/26					

LEGEND AND
GENERAL
SPECIFICATIONS

PERMIT

MP0.1

2026.08.06

Exhibit B

HVAC SPECIFICATIONS

PART 1—DUCTWORK

Quality Assurance:

- All ductwork shall be fabricated and installed in accordance with the following manuals, standards and guides:
 - HVAC Duct Construction Standards, most current edition, by SMACNA.
 - NFPA 90A: "Standard for the Installation of Air Conditioning and Ventilating Systems of Other than Residence Type," most current edition, by NFPA.
- All ductwork shall be braced and supported for Seismic Hazard Level B, as shown in the "Seismic Restraint Manual Guideline for Mechanical Systems," most recent edition, published by SMACNA.

Galvanized Steel Ductwork:

- New supply, return, exhaust, and outdoor air ductwork shall be galvanized steel. All ductwork shall be reinforced for 1" positive or negative pressure, as appropriate.
- Construct ducts of galvanized steel in the gauges and with reinforcement as specified in Chapter 2 of the HVAC Duct Construction Standards.

Flexible Duct:

- Insulated low pressure flexible duct shall be a factory fabricated assembly consisting of a corrosion resistant spring steel helix, non-perforated inner liner, nominal one (1) inch thick fiberglass insulation with a minimum "C" value of 0.23, and vapor barrier jacket. Duct shall be tested and classified by UL as Class 1 Air Duct and be so labeled. Provide Genflex SLR-181, Thermaflex Type M-KC/M-KE, or equivalent.

High Efficiency Branch Take-Offs:

- Rectangular to rigid round branch takeoffs shall be high efficiency takeoffs, with dampers, as manufactured by Sheet Metal Connectors, Inc, or equivalent. Do not use spin-in fittings

Installation:

- All sizes shown on the plans are clear inside dimensions.
- Seal new interior ductwork in accordance with requirements for Seal Class B.
- Ducts shall be free from sag, sway, deformation, collapse, or vibration.
- Adhere to drawings as closely as possible. If approved by Engineer prior to installation, the contractor may vary run and scope of ducts and make offsets during the progress of work required to meet structural or other interferences. If approved by Engineer prior to installation, Contractor may also run ducts in sizes larger than those shown to standardize or eliminate custom-made fittings.
- Provide single thickness turning vanes at all rectangular elbows.

PART 2—DUCT INSULATION

Quality Assurance:

- Insulation assemblies consisting of insulation, jacket and facing, and adhesives for jacket and facing shall have a composite smoke and fire rating as tested by procedure ASTM E-84, NFPA 255, and UL 723 which does not exceed a rating of 25 for flame spread or 50 for smoke developed. This specification shall apply to all insulation other than elastomeric type.
- Accessories such as adhesives, mastics, cements, tapes, and cloth for fittings shall have the same component rating as listed above.

Acoustical Duct Liner:

- Acoustical duct liner shall be flexible type using long fiberglass with a smooth firmly bonded fire-resistant surface to prevent erosion of the insulation.
- Thermal conductivity shall not exceed 0.24 at 50% mean temperature. Noise reduction coefficient (NRC) shall not be less than 0.70 based on acoustical materials test, Mounting No. 6.
- Lining shall meet NFPA standards for internal duct application, have a minimum density of 12 lbs. per cubic foot and be manufactured by Owens-Corning Fiberglass, Johns-Manville, or Gustin-Bacon.
- Lining shall be impregnated with a biostatic coating or chemical to prevent growth of micro-organisms.

Fiberglass Duct Exterior Insulation:

- Provide blanket-type fibrous glass specifically designed for installation on heating, ventilating, and cooling ductwork. Insulation shall be suitable for ductwork supplying conditioned air from 35 F to 250 F. Thermal conductivity shall not exceed 0.17 at 75 F mean temperature.
- Provide Owens-Corning duct wrap, Type 75, 0.75 lbs/cu. ft. density, thickness as noted below, with all-service facing, or equivalent by another manufacturer as listed above.

Insulation Schedule:

System	Insulation and Thickness	Jacket
Rectangular supply and return ductwork in conditioned spaces	1" Acoustical liner	n/a
New rigid round and rectangular supply and return ductwork in attic (above insulation)	R-12 total insulation value-combination of liner and exterior duct insulation	FRK

PART 3—AIR DISTRIBUTION SPECIALTIES

Volume Dampers:

- Provide unit complete with damper, end bearing, and locking regulator. Provide damper with 16 gauge galvanized steel frame, blades and end channels suitable for duct mounting.
- Provide single or multiple blade dampers as required. Blades shall not exceed six inches in width.
- For rectangular dampers, provide Cesco MDS, Ruskin MD35 or equivalent by Greenheck, United McGill, Nailor, or others.
- For round dampers, provide Ruskin MDRS25 or equivalent by Cesco, Greenheck, United McGill, Nailor, or others.

Filters:

- Provide two sets of filters for furnace. Filters shall be American Air Filter MEGAPleat M9 filters, or equivalent. Filters shall be 4" thick, MERV 9 pleated style with a maximum pressure drop of 0.25" at design total supply air flow.
- Install one set of filters in filter rack during construction and vacuumed immediately prior to testing and balancing. Install second set after acceptance of the test and balance report and immediately prior to turning building over to owner.

PART 4—MECHANICAL PIPING SYSTEMS

Seismic Bracing

- All new piping in excess of 1" size shall be braced and supported for Seismic Design Category D as shown in Mason Industries "Seismic Restraint Guidelines," 2005 edition. In addition to seismic load, pipe expansion loads must also be considered
- Pipe supports and anchors must conform to the 2018 International Building Code.

- Any system of pipe supporting and anchoring shall have supporting engineering data bearing the seal of the licensed professional engineer in the employ of the company furnishing the support and anchor systems.
- Whenever possible, pipes may be located on sufficiently short hangars as to not require seismic treatment if allowed by the suspension system.

Condensate and Equipment Drainage Piping:

- Low temperature (fluids under 140 F) drains from mechanical equipment such as cooling coils and make-up air units shall be Schedule 40 PVC with solvent weld fittings.
- High temperature (fluids over 140 F) drains from mechanical equipment such as furnaces, boilers, and water heaters shall be Schedule 40 CPVC with solvent weld fittings or PEX piping.

Natural Gas Piping:

- Pipe shall be Schedule 40 Black Steel with screwed malleable iron fittings in pipe sizes two inches and smaller and welded fittings in pipe sizes 2-1/2" and larger. Do not use close nipples.
- Gas cocks shall bear the AGA mark and shall be suitable for natural gas service, with lubricated plug valves, permanently attached handles, labeled "open-shut" positions, and screwed ends. Provide a union downstream of each gas valve. Install all valves such that all handles are easily accessible and free to move from the fully open to the fully closed position
- Make welded fittings and threaded fittings in accordance with NFPA 54 Fuel Gas Code. Make screwed joints with compatible pipe dope or teflon tape. In larger pipe sizes, where welded pipe is required, use flanged joints. Do not use close nipples; all nipples must have the full pipe thickness extend for at least 1" between threadings.
- All penetrations through the exterior wall shall be caulked water tight in a neat manner.
- Piping shall be installed close to walls and equipment whenever possible, leaving the maximum amount of room available for servicing the equipment to which it is connected.
- All gas piping shall be pressure tested in accordance with the IFGC and the supplying utility.

Field-Fabricated Refrigerant Piping:

- Field-fabricated refrigerant piping shall be Type L Copper with brazed fittings.
- Insulate refrigerant piping with closed cell foam insulation. See Part 5 below.

PART 5—MECHANICAL PIPING INSULATION

Quality Assurance:

- Insulation assemblies consisting of insulation, jacket and facing, and adhesives for jacket and facing shall have a composite smoke and fire rating as tested by procedure ASTM E-84, NFPA 255, and UL 723 which does not exceed a rating of 25 for flame spread or 50 for smoke developed. This specification shall apply to all insulation other than elastomeric type.
- Accessories such as adhesives, mastics, cements, tapes, and cloth for fittings shall have the same component rating as listed above.

Foam Pipe Insulation:

- Insulation shall be a flexible, closed-cell elastomeric pipe insulation: AP Armaflex, AC Accoflex, or equivalent by alternate manufacturer. Adhesive shall be Armaflex 520, 520 Black or 520 BLV Adhesive, or equivalent manufacturer. The insulation must conform to ASTM C534 Grade 1, Type I.
- Insulation materials shall have a closed cell structure to prevent moisture from wicking.
- Insulation materials shall be manufactured without the use of CFC's, HFC's or HCFC's. It shall also be formaldehyde free, low VOCs, fiber free, dust free and resists mold and mildew.
- Insulation materials shall have a flame-spread index of less than 25 and a smoke-developed index of less than 50 as tested in accordance with ASTM E 84. In addition, the products, when tested, shall not melt or drip flaming particles, and the flame shall not be progressive.
- Insulation materials shall have a maximum thermal conductivity of 0.27 Btu-in./h-ft 2 -°F at a 75°F mean temperature as tested in accordance with ASTM C 177 or ASTM C 518.
- Insulation materials shall have a maximum water vapor transmission of 0.08 perm-inches when tested in accordance with ASTM E 96, Procedure A.

Requirements for Refrigerant Pipe Insulation

- All liquid and suction lines shall be insulated continuously from the evaporator coil to the service valves at the compressor. Install insulation in strict accordance with manufacturer's instructions.
- All low temperature lines (+10°F and below) shall be insulated with a minimum of 1" wall thickness.
- All medium and high temperature lines (above +10°F) shall be insulated with a minimum of 3/4" wall thickness.
- All insulation exposed to sunlight or installed outdoors shall be protected with two coats of WB Armaflex Finish or weather resistant coating.

PART 6—MECHANICAL EQUIPMENT

Furnace:

- Provide up-flow or multi-position, gas-fired, high efficiency condensing furnace as scheduled by Carrier, or equivalent by Daikin, Lennox, Trane or York.
- Install furnace where shown on the drawings. Maintain all required clearances.
- Install flexible connections at inlet and outlet.
- Pipe condensate from furnace to adjacent condensate pump in Type L copper or Schedule 40 PVC. Comply with manufacturer's requirements for slope and trapping.
- If any vent or intake piping runs through unconditioned spaces, provide insulation on piping in accordance with manufacturer's installation instructions.

Evaporator:

- Provide up-flow or multi-position evaporator coil as scheduled by Carrier, or equivalent by Daikin, Lennox, Trane or York.
- Install evaporator at furnace discharge as shown on the drawings. Pipe drain pan to adjacent condensate pump in Type L copper or Schedule 40 PVC; pipe in accordance with manufacturer's instructions.

Condensing Unit:

- Provide 18 SEER2 condensing unit as scheduled by Carrier, or equivalent by Daikin, Lennox, Trane or York.
- Mount condensing units on support feet on concrete pads as shown.
- Refrigerant piping shall be run neatly and parallel to building structure. Insulate piping in accordance with manufacturer's instructions. Insulation shall be suitable for exterior usage; provide UV coating. Seal all building penetrations water tight.

Exhaust Fan:

- Provide Loren Cook, or equivalent, down-blast direct-drive exhaust fan as scheduled. Provide with accessories as scheduled.
- Install where shown on the drawings on factory curb.

PART 7—CONTROLS

Single-Zone Furnace System:

- Provide Honeywell Vision Pro commercial series programmable thermostat or equivalent. Thermostat shall have minimum 2 stages of heating, 2 stages of cooling, 5" deadband, 7-day clock, 10-hour (min) battery back-up, and 2-hour (min) override button.
- Install motorized outdoor air damper. Damper actuator to have end switch.
- Occupied mode: Fan shall operate continuously, and the outdoor air damper shall be fully open. Heating and cooling shall operate as required.
- Unoccupied mode: Fan shall cycle on a call for heating or cooling with outdoor air damper closed. Heating and cooling shall operate as required.
- Provide Waterbug or equivalent moisture detector in drain pan under furnace and evaporator coil. If moisture is detected in drain pain, heating and cooling shall cease operation and an alarm shall be sent to a location as designated by the County.
- Coordinate with County for schedules and set points.

Attic Exhaust Fan:

- Provide with cooling-only thermostat located in attic.
- When attic temperature exceeds 90 F, exhaust fan shall operate.



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			CD	

HVAC
SPECIFICATIONS

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Exhibit B



EXHAUST FAN SCHEDULE									
MARK	MANUFACTURER AND NUMBER	CFM	E. S. P. (IN. W. C.)	RPM	SONES (AT 5 FT)	H.P.	VOLT/PHASE	WATTS	COMMENTS
EF-1	LOREN COOK ACE-D 100C1SDH	550	0.25"	1320	8.6	1/8	120V / 1Ø	115	1
1. PROVIDE WITH 13.5" ROOF CURB, BIRDSCREEN, GRAVITY BACKDRAFT DAMPER, AND FAN SPEED CONTROL FOR BALANCING.									

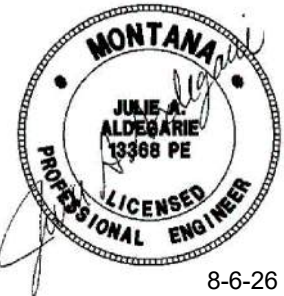
AIR DEVICE SCHEDULE							
MARK	MANUFACTURER AND NUMBER	FACE SIZE	NECK SIZE	THROW	FINISH	MOUNTING/FRAME	OBD
SD-1	SHOEMAKER 700MA	8 X 8	8 X 8	4 WAY	WHITE	24 X 24 LAY-IN PANEL	NO
SD-2	SHOEMAKER 700MA	12 X 12	12 X 12	4 WAY	WHITE	24 X 24 LAY-IN PANEL	NO
SD-3	SHOEMAKER 904	6 X 4	6 X 4	DEFL A	WHITE	SURFACE MOUNT	NO
SD-4	SHOEMAKER MA	8 X 8	8 X 8	4 WAY	WHITE	SURFACE MOUNT	NO
SD-5	SHOEMAKER TS	12 X 4	12 X 4	-	DRIFTWOOD TAN	SURFACE MOUNT	NO
RG-1	SHOEMAKER 905	20 X 20	20 X 20	-	WHITE	SURFACE MOUNT	NO
TG-1	SHOEMAKER 905	12 X 6	12 X 6	-	WHITE	SURFACE MOUNT	NO
TG-2	SHOEMAKER 905	14 X 6	14 X 6	-	WHITE	SURFACE MOUNT	NO
TG-3	SHOEMAKER 905	12 X 12	12 X 12	-	WHITE	SURFACE MOUNT	NO
TG-4	SHOEMAKER 905	14 X 14	14 X 14	-	WHITE	SURFACE MOUNT	NO
TG-5	SHOEMAKER 905	20 X 10	20 X 10	-	WHITE	SURFACE MOUNT	NO
TG-6	SHOEMAKER 905	18 X 12	18 X 12	-	WHITE	SURFACE MOUNT	NO
1. SIMILAR AIR DEVICES BY KRUEGER, CARNES, PRICE, AND TITUS ARE ALSO ACCEPTABLE. 2. CONTRACTOR SHALL VERIFY ALL MOUNTING CONDITIONS AND AIR DEVICE COLORS.							

FURNACE SCHEDULE													
MARK	MANUFACTURER AND NUMBER	HIGH COOLING	LOW COOLING	HIGH HEATING	LOW HEATING	MINIMUM OA CFM	E. S. P. (IN. W. C.)	HEATING, BTU/HR		HP	VOLT/ PHASE	FLA	COMMENTS
								INPUT	OUTPUT				
F-1	CARRIER 59TP7A080V21--20	1900 CFM	1370 CFM	1300 CFM	975 CFM	135	0.80"	80,000	76,000	1	115/1	13.1	1, 2
1. HEATING IS SEA LEVEL INPUT. CFM AND STATIC PRESSURE ARE AT 3200 FEET MSL. 2. PROVIDE WITH CONDENSATE NEUTRALIZER KIT, EXTERNAL FILTER RACK FOR 20X25 FILTER, AND CONCENTRIC VENT TERMINAL.													

EVAPORATOR SCHEDULE					
				CAPACITY	COMMENTS
MARK	MANUFACTURER AND NUMBER	COOLING CFM	MAX. A. P. D.	SENS. COOLING BTU/HR	
E-1	CARRIER CAAMP6024AAMA	1900	0.238"	43,600	1, 2
E-2	CARRIER CAAMP4221AAMA	1400	0.183"	3 TONS (NOMINAL)	1, 2
1. AIR FLOW AND STATIC PRESSURE ARE CATALOG PERFORMANCE. 2. COOLING CAPACITY IS AT 75 F DB / 67 F WB EAT AND 95 F OAT.					

CONDENSING UNIT SCHEDULE						
		COOLING		ELECTRICAL		COMMENTS
MARK	MANUFACTURER AND NUMBER	SENS. CAPACITY BTU/HR	SEER2	VOLT AND PHASE	MCA	MCA
CU-1	CARRIER 26TPA860W003	43,600	15.2	208 / 230V / 1Ø	30.5	50
CU-2	CARRIER 26TPA836W003	3 TONS (NOMINAL)	17.0 MAX.	208 / 230V / 1Ø	20.9	35
1. PROVIDE WITH REFRIGERANT LINE SETS, SUPPORT FEET, TXV, CYCLE PROTECTION, TIME DELAY RELAY, AND EVAPORATOR FREEZE THERMOSTAT. 2. PROVIDE WITH LOW AMBIENT KIT, WINTER START KIT, AND CRANKCASE HEATER.						

GENERAL NOTES - ALL SHEETS	
1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. DO NOT SCALE FROM DRAWINGS.	
2. COORDINATE MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AIR DEVICE, ETC. INSTALLATION AND LOCATION WITH OTHER ITEMS AND TRADES, SUCH AS ELECTRICAL, LIGHTING, FIRE SPRINKLER, ETC.	
3. DO NOT RUN DUCTWORK OR PIPING OVER OR WITHIN NEC REQUIRED SERVICE CLEARANCE OF ELECTRICAL PANELS AND LOAD CENTERS.	
4. UNLESS OTHERWISE NOTED ON THE DRAWINGS, AIR DEVICE LOCATIONS MAY BE ADJUSTED TO MISS LIGHTING, STRUCTURE OR OTHER OBSTACLES.	
5. PROVIDE DUCT-MOUNTED BALANCE DAMPERS IN THE BRANCH TO EACH SUPPLY AND RETURN AIR DEVICE WHETHER EXPLICITLY SHOWN OR NOT.	
6. MAINTAIN MINIMUM OF 10" SEPARATION BETWEEN ALL VENTS - FURNACE VENTS, EXHAUST FAN DISCHARGES, PLUMBING VENTS, ETC. - AND ALL FRESH AIR INTAKES. MAINTAIN MIN. OF 3' DISTANCE BETWEEN EXHAUST WALL CAPS AND OPERABLE DOORS AND WINDOWS.	
7. MOUNT THERMOSTATS WITH TOP AT 48" AFF.	
8. MOUNT ELECTRIC WALL HEATERS WITH BOTTOM OF UNIT AT 12" AFF.	
9. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL EQUIPMENT REQUIRING MAINTENANCE SHALL BE INSTALLED A MINIMUM OF 10' FROM EDGE OF ROOF. WHERE EQUIPMENT MUST BE LOCATED CLOSER THAN 10' TO THE EDGE OF THE ROOF, FALL PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 304.11 OF THE INTERNATIONAL MECHANICAL CODE.	

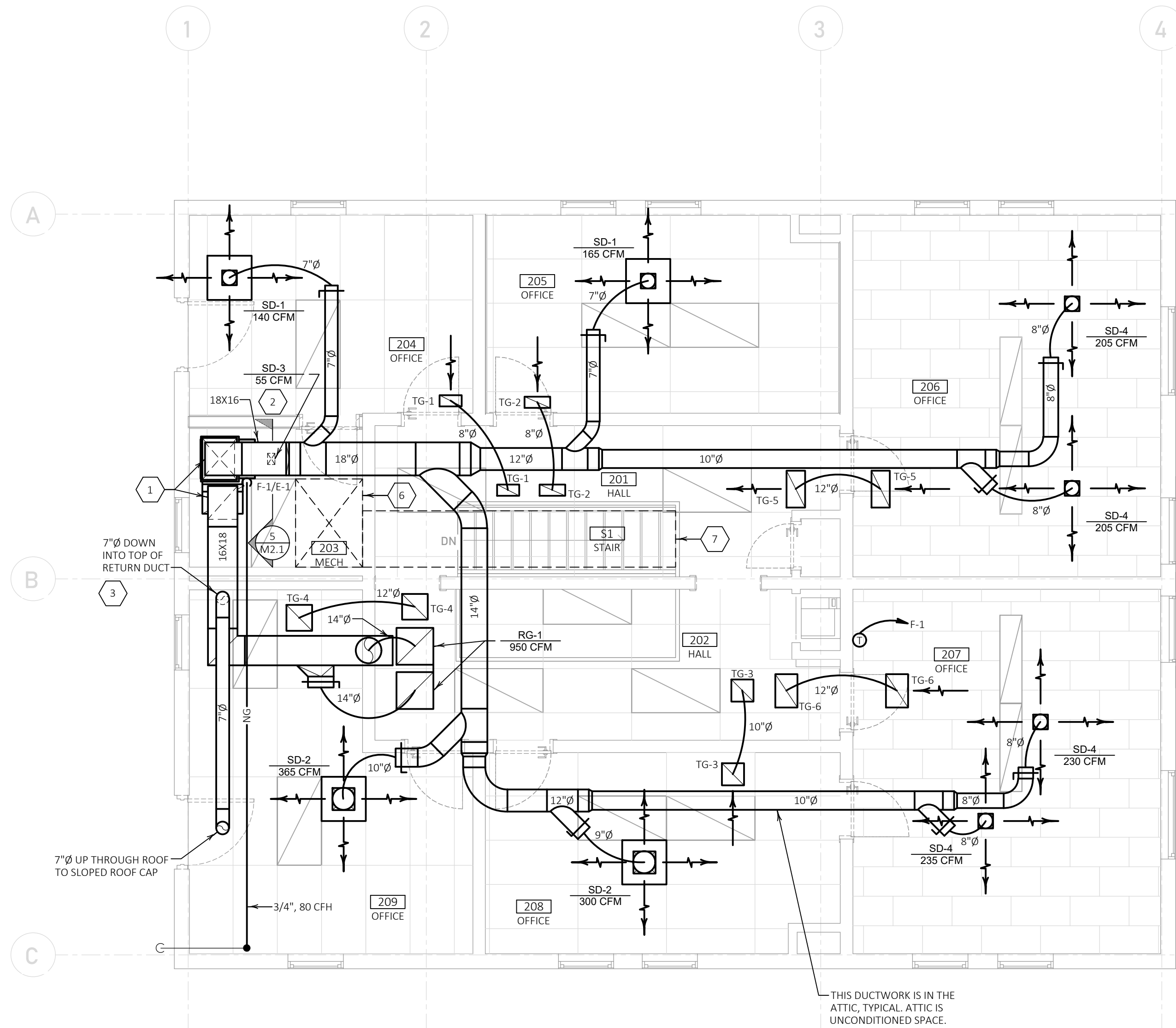


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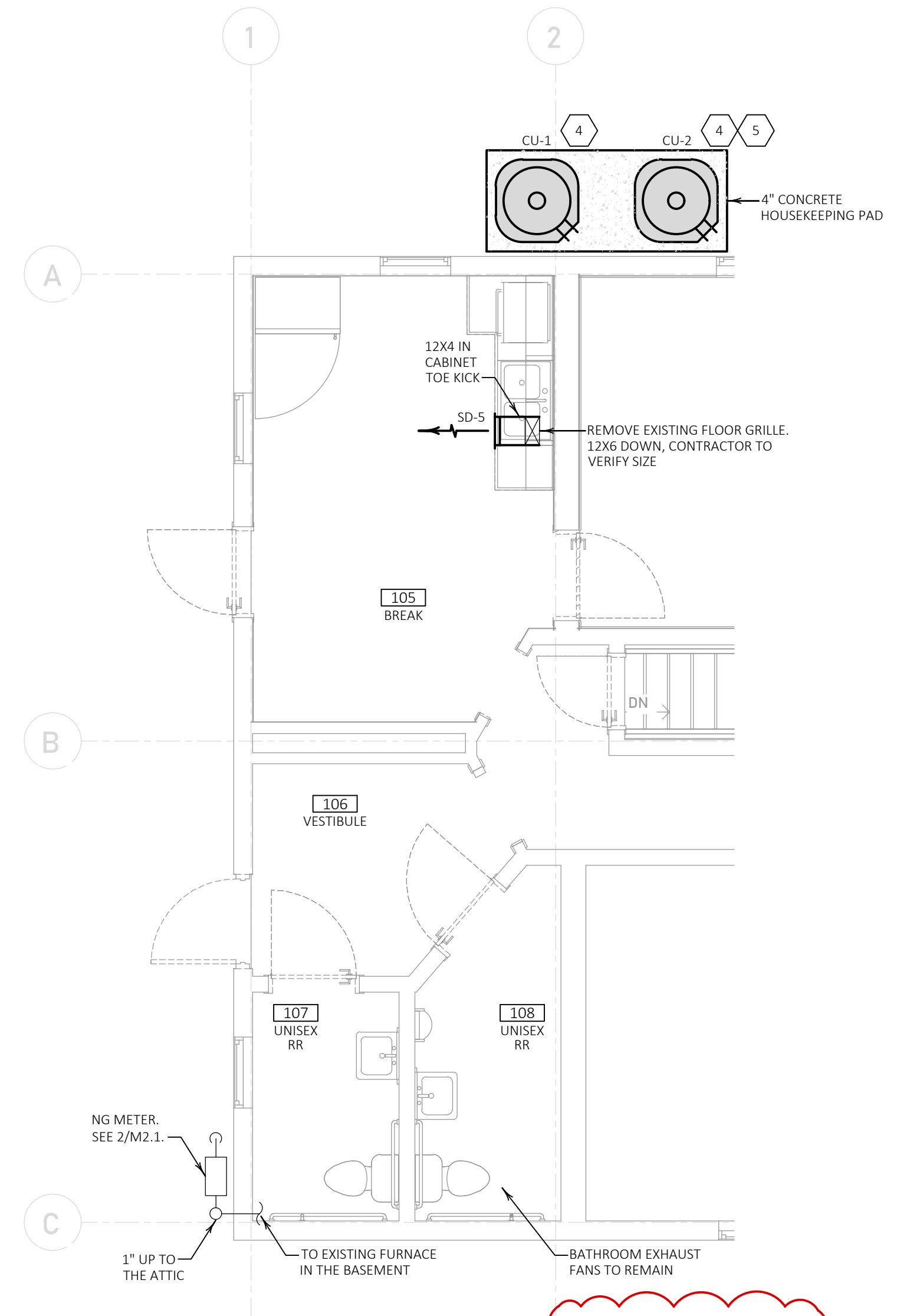
HVAC
SCHEDULES
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M0.2
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Exhibit B



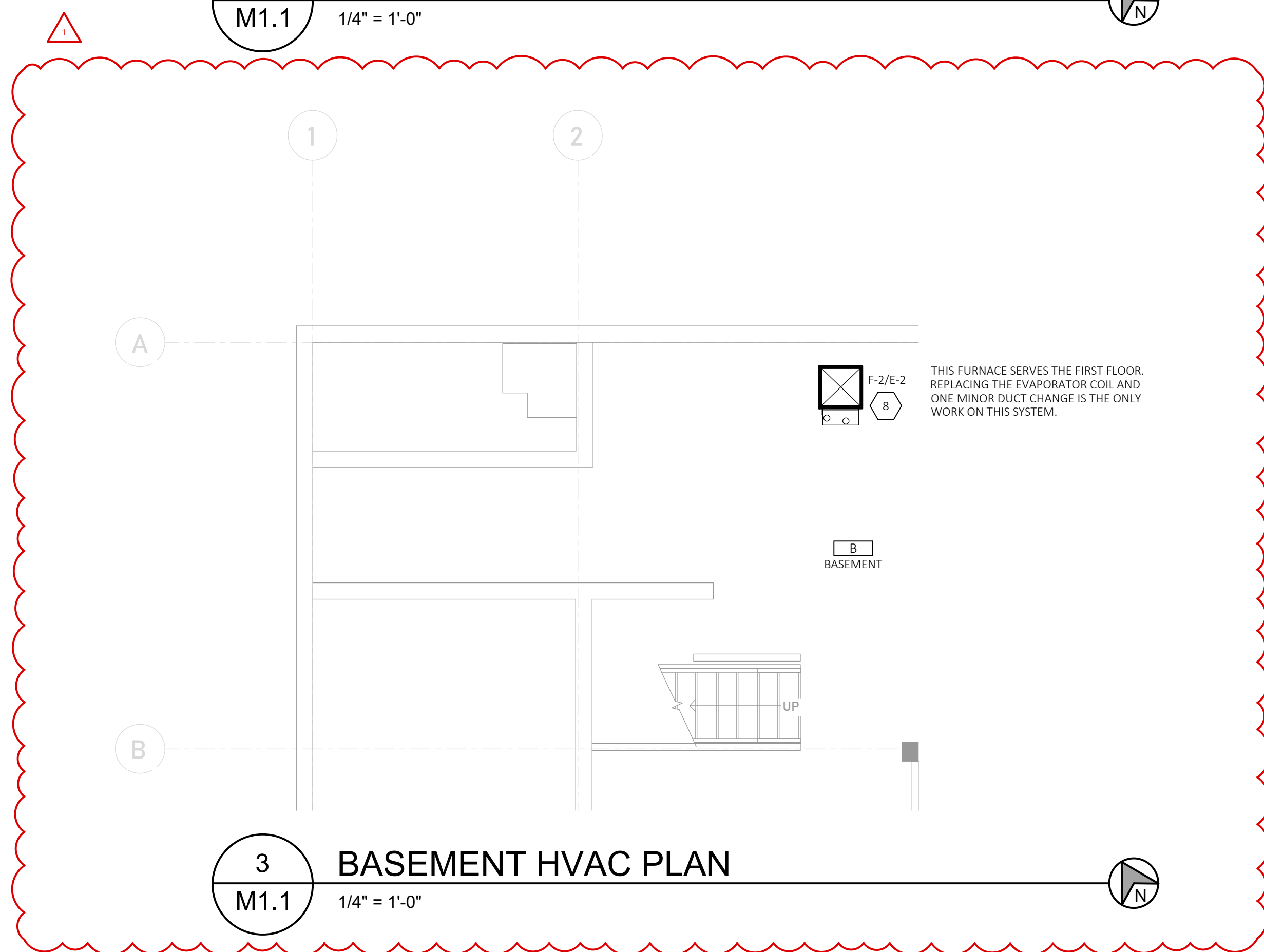
1 2ND FLOOR HVAC PLAN

M1.1 1/4" = 1'-0"



2 1ST FLOOR HVAC PLAN

M1.1 1/4" = 1'-0"



3 BASEMENT HVAC PLAN

M1.1 1/4" = 1'-0"

DEMO NOTES

1. REMOVE EXISTING DUCTWORK AND AIR DEVICES IN ATTIC.

GENERAL NOTES

1. CONNECT ALL GAS-FIRED APPLIANCES PER DETAIL 1/M2.1, UNLESS MANUFACTURER'S INSTALLATION INSTRUCTIONS INDICATE DIFFERENTLY.
2. PIPE DRAINS FROM EVAPORATOR COIL, AND FURNACE TO TAIL PIECE OF LAV BEING RELOCATED. SEE P1.1.
3. RUN FURNACE VENT AND INTAKE UP THROUGH ROOF. CONCENTRIC TERMINATION KITS ARE ACCEPTABLE.
4. SEE DETAILS 3/M2.1 AND 4/M2.1 FOR AIR DEVICE INSTALLATION.
5. NEW GAS PIPING FOR FURNACE F-1 WAS CALCULATED WITH A LONGEST DISTANCE OF 50' AND USING TABLE 402.4(2) IN THE 2021 IFGC.

CONSTRUCTION NOTES

- 1 18X16 SUPPLY DOWN TO F-1/E-1, TRANSITION TO EVAPORATOR COIL OUTLET SIZE IN VERTICAL. 16X18 RETURN DOWN. TRANSITION RETURN TO 22X12 IN THE VERTICAL BELOW ROOF FRAMING.
- 2 6X4 DOWN TO SD-3.
- 3 INSTALL MANUAL BALANCE DAMPER AND MOTOR-OPERATED DAMPER IN OUTDOOR AIR DUCT.
- 4 INSTALL CONDENSING UNIT ON SUPPORT FEET ON HOUSEKEEPING PAD. RUN REFRIGERANT PIPING TO BUILDING AND TO THE FURNACES IN A NEAT AND ORDERLY MANNER.
- 5 NEW CU-2 IN THIS LOCATION. EXISTING FURNACE AND NEW EVAPORATOR COIL THAT IT SERVES ARE IN THE BASEMENT. PROVIDE NEW LINE SETS TO NEW EVAPORATOR COIL.
- 6 ATTIC ACCESS.
- 7 MAINTAIN RELATIVELY CLEAR PATH FROM ATTIC ACCESS TO ROOF ACCESS.
- 8 DEMOLISH EXISTING EVAPORATOR COIL AND INSTALL NEW E-2 IN THE SAME LOCATION. MODIFY DUCTWORK AS NECESSARY. PIPE EVAPORATOR COIL DRAIN PAN TO EXISTING CONDENSATE PUMP IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



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HVAC PLANS

PERMIT

M1.1

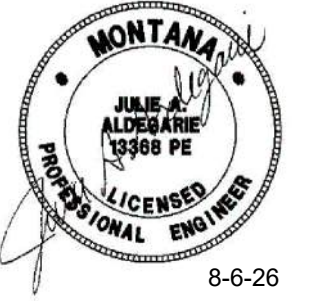
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Exhibit B

1 ROOF HVAC PLAN
M1.2 1/4" = 1'-0" 

GENERAL NOTES

1. RTU TO BE DEMOLISHED. CURB TO BE DEMOLISHED. ASSOCIATED DUCTWORK IN THE ATTIC TO BE DEMOLISHED. DEMOLISH GAS PIPING FROM RTU BACK TO THE POINT OF CONNECTION FOR THE NEW FURNACE.
2. CU-2 TO BE DEMOLISHED. DEMOLISH LINE SETS DOWN TO EVAPORATOR COIL IN BASEMENT.



MISSOULA COUNTY
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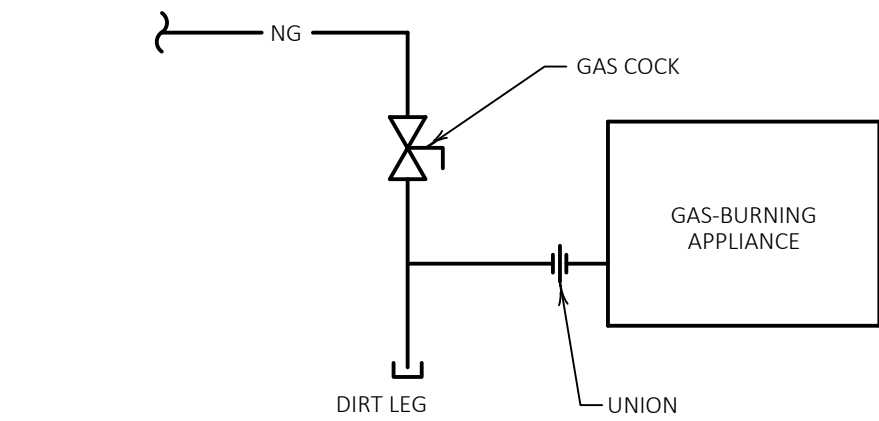
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			CD	

ROOF HVAC PLAN

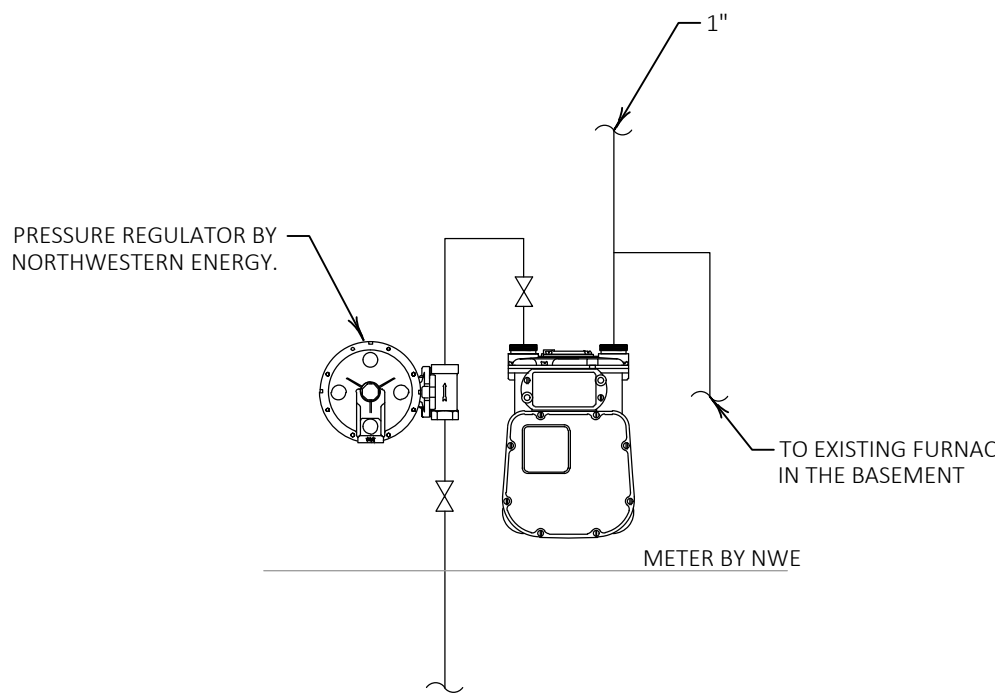
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M1.2

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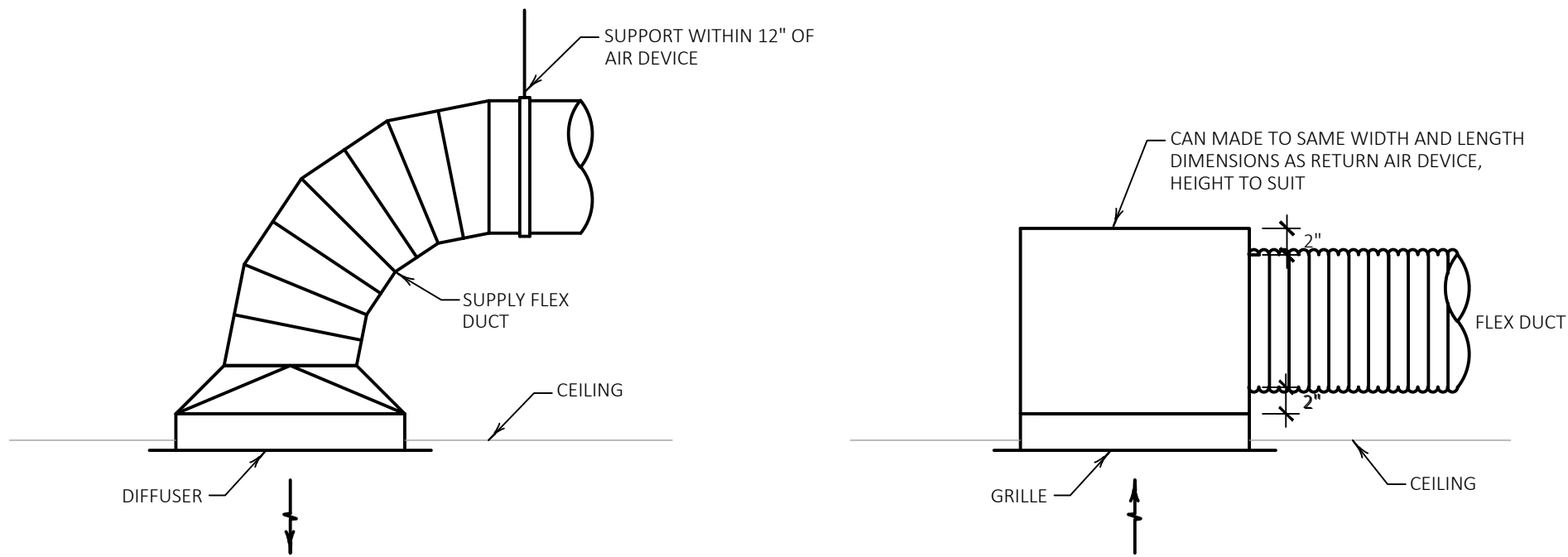


1 NG DIRT LEG DETAIL
M2.1 N.T.S.

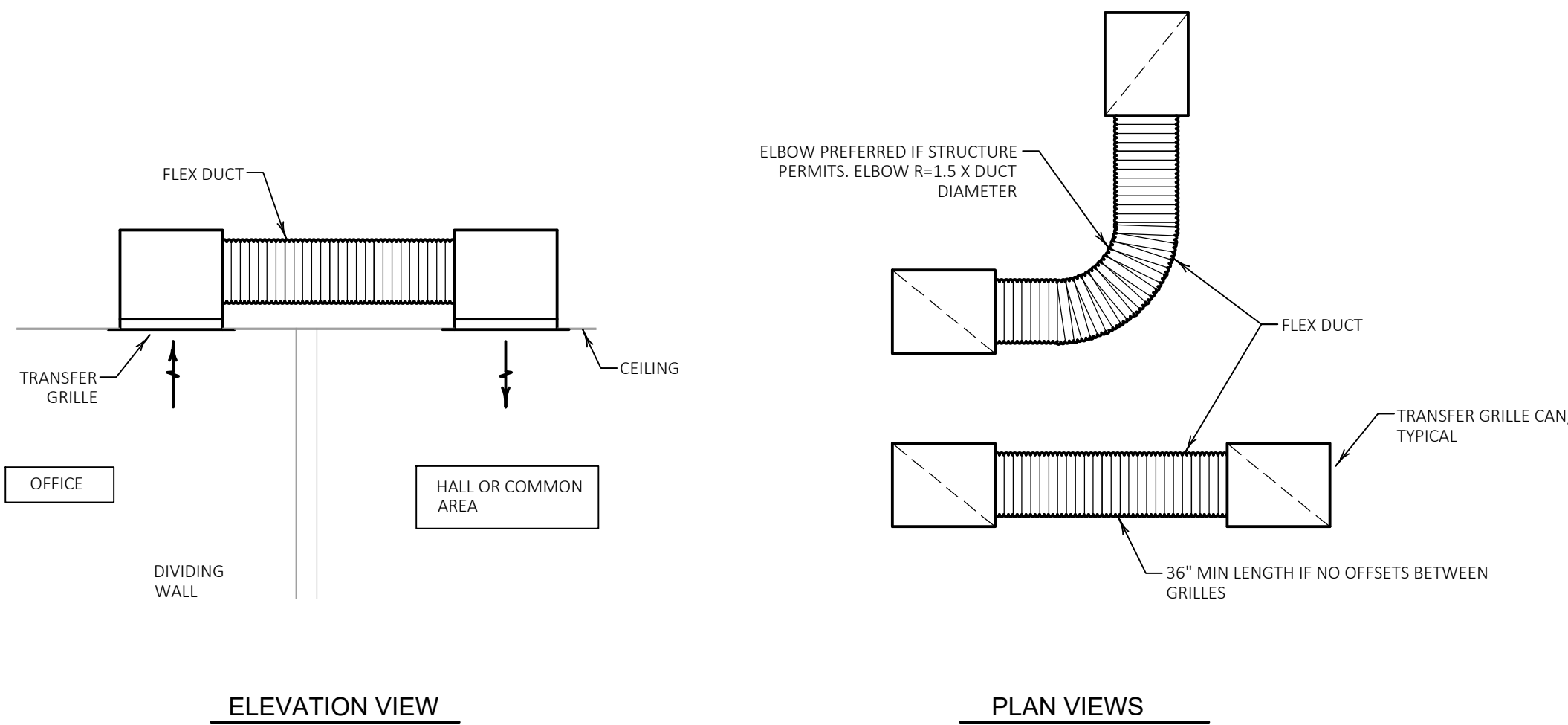


GAS LOAD SUMMARY	
DELIVERY PRESSURE: 7"-10" W.C.	
ITEM	LOAD (MBH)
NEW FURNACE	80
EXISTING FURNACE	80
BUILDING TOTAL:	160

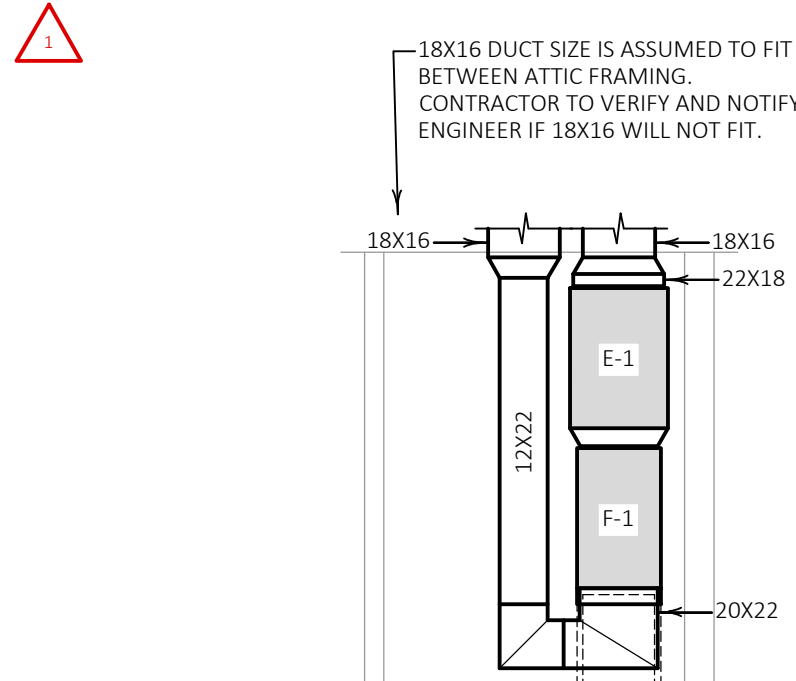
2 NATURAL GAS ENTRANCE SCHEMATIC
M2.1 NO SCALE



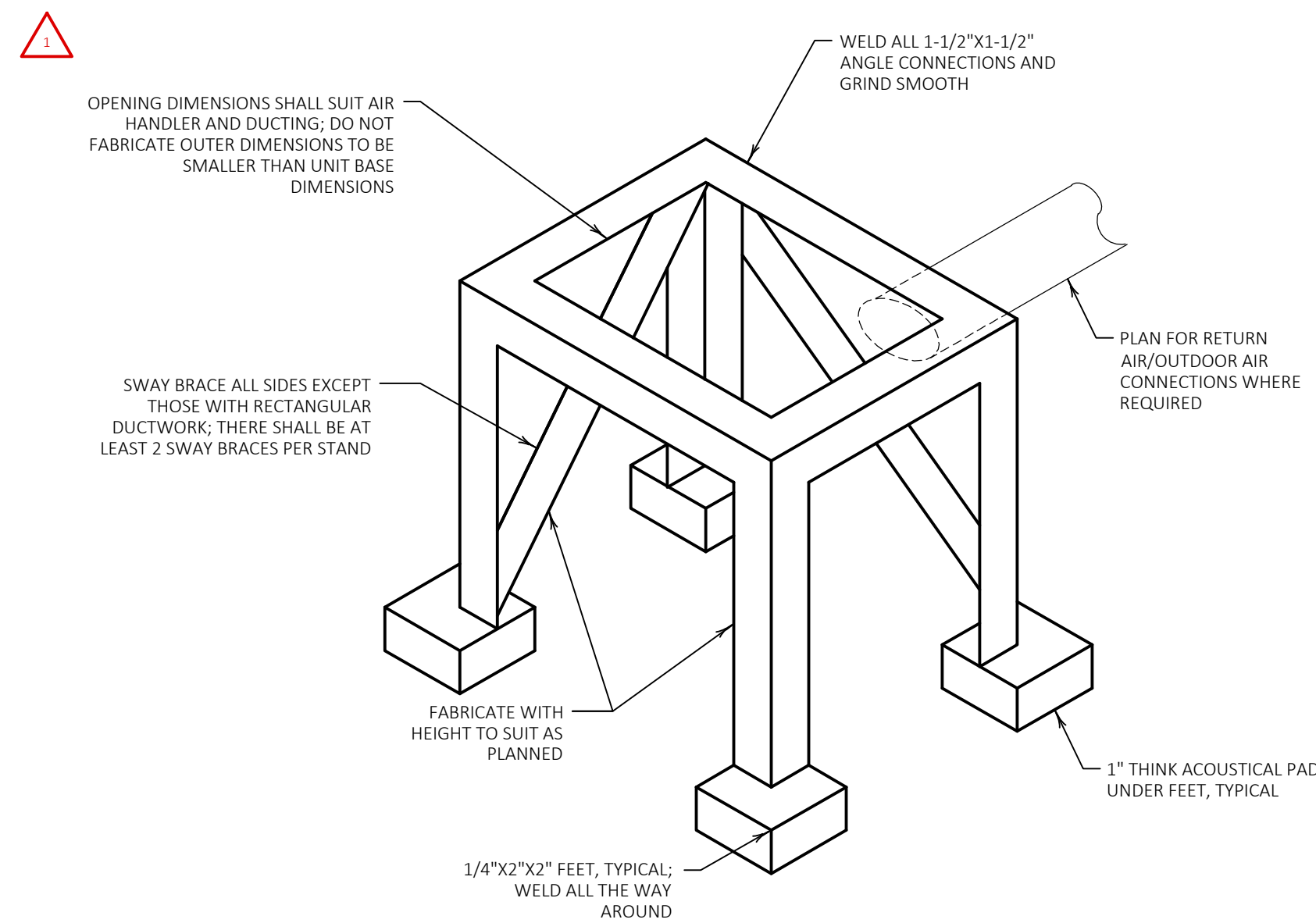
3 AIR DEVICE CONNECTION DETAILS
M2.1 NO SCALE



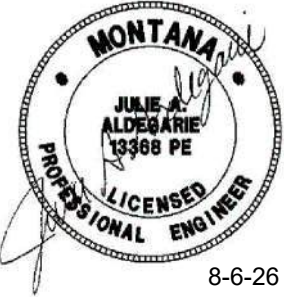
4 TRANSFER GRILLE/DUCT DETAILS
M2.1 NO SCALE



5 FURNACE ELEVATION
M2.1 1/4" = 1'-0"



6 TYPICAL AH OR FURNACE STAND
M2.1 NO SCALE



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #:

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1	OWNER REV.	08/31/26	PRE	
			SD	
			DD	
			CD	

HVAC DETAILS
PERMIT
M2.1
2026.08.06

Exhibit B

PLUMBING SPECIFICATIONS

PART 1—PIPING MATERIALS

Quality Assurance:

- Comply with all requirements of the 2021 Uniform Plumbing Code as officially amended for local conditions

Seismic Bracing

- All new piping in excess of 1" size shall be braced and supported for Seismic Design Category D as shown in Mason Industries "Seismic Restraint Guidelines," 2005 edition. In addition to seismic load, pipe expansion loads must also be considered
- Pipe supports and anchors must conform to the 2021 International Building Code.
- Any system of pipe supporting and anchoring shall have supporting engineering data bearing the seal of the licensed professional engineer in the employ of the company furnishing the support and anchor systems.
- Whenever possible, pipes may be located on sufficiently short hangars as to not require seismic treatment if allowed by the suspension system.

Material Generally

- Copper Pipe and Fittings:
 - Copper Pipe: Seamless ASTM B88 Type L or K, annealed or hard drawn, as specified.
 - Copper Tubing: ASTM B280, Type ACR hard drawn.
 - Fittings for Copper Pipe: Wrought Copper Fittings: ANSI B16.22, or Cast Bronze Fittings: ANSI B16.18.
- PEX Piping
 - PEX-a and PEX-b piping produced in compliance with ASTM F876 are allowed.
 - Joints shall be F1960 style
 - PEX pipe and fittings used in potable water systems shall be certified by NSF International for use in potable water systems.
- PVC Plastic Pipe and Fittings:
 - Schedule 40 DWV conforming to ASTM D2672-80 or D1785-76 with ASTM D2466-78 solvent weld socket fittings.
 - Joints shall be made with primer and cement in accordance with manufacturer's recommendations and conforming to ASTM D2564-80.

Domestic Water Piping

- Piping exposed in mechanical rooms shall be Copper.
- Piping concealed in walls and above ceilings may be either PEX or Copper.

Drainage Waste and Vent Piping

- All above and below ground drainage and vent piping within five feet of the building shall be Schedule 40 PVC with solvent weld sanitary fittings, except as follows:
 - Where indicated on the drawings to be a different material,
 - The first 20 feet downstream of any floor drain or floor sink receiving discharge from a commercial dishwasher, glasswasher, or other appliance that uses rinse water in excess of 160 F.
 - All exposed sanitary piping in finished rooms used in connection with the plumbing fixtures shall be chromium plated brass with plated cast brass fittings.
- Low temperature (fluids under 140 F) drains from mechanical equipment such as cooling coils and make-up air units shall be Schedule 40 PVC with solvent weld fittings.
- High temperature (fluids over 140 F) drains from mechanical equipment such as furnaces, boilers, and water heaters shall be Schedule 40 CPVC with solvent weld fittings or PEX piping.

PART 2—PIPE INSULATION

Quality Assurance:

- Insulation assemblies consisting of insulation, jacket and facing, and adhesives for jacket and facing shall have a composite smoke and fire rating as tested by procedure ASTM E-84, NFPA 255, and UL 723 which does not exceed a rating of 25 for flame spread or 50 for smoke developed. This specification shall apply to all insulation other than elastomeric type.
- Accessories such as adhesives, mastics, cements, tapes, and cloth for fittings shall have the same component rating as listed above.

Fiberglass Pipe Insulation:

- Pipe insulation shall be fibrous glass accurately molded to conform to the outside diameter of the pipe. Insulation shall be one piece snap-on type with white paper all-service jacket.
- Insulation shall be suitable for use on either hot or cold water pipes with temperature range of 35 degrees F to 400 degrees F. Thermal conductivity shall not exceed 0.26 at 100 degrees F mean temperature.

Foam Pipe Insulation:

- Insulation shall be a flexible, closed-cell elastomeric pipe insulation: AP Armaflex, AC Accoflex, or equivalent by alternate manufacturer. Adhesive shall be Armaflex 520, 520 Black or 520 BLV Adhesive, or equivalent manufacturer. The insulation must conform to ASTM C534 Grade 1, Type I.
- Insulation materials shall have a closed cell structure to prevent moisture from wicking.
- Insulation materials shall be manufactured without the use of CFC's, HFC's or HCFC's. It shall also be formaldehyde free, low VOCs, fiber free, dust free and resists mold and mildew.
- Insulation materials shall have a flame-spread index of less than 25 and a smoke-developed index of less than 50 as tested in accordance with ASTM E 84. In addition, the products, when tested, shall not melt or drip flaming particles, and the flame shall not be progressive.
- Insulation materials shall have a maximum thermal conductivity of 0.27 Btu-in./h-ft 2 ~F at a 75°F mean temperature as tested in accordance with ASTM C 177 or ASTM C 518.
- Insulation materials shall have a maximum water vapor transmission of 0.08 perm-inches when tested in accordance with ASTM E 96, Procedure A.

Insulation Schedule:

System	Insulation and Thickness	Jacket
Domestic hot water and hot water recirc piping	1" Fiberglass on copper pipe; 1" foam on PEX piping	ASJ on fiberglass

PART 3—PIPING SPECIALTIES

Quality Assurance:

- Unless otherwise specifically mentioned, all valves of all types installed in connection with mechanical piping shall comply with the following requirements.
- Provide one make throughout the project, except valves in pipes 2-1/2" in diameter and larger may be Victaulic or equivalent.
- Valves two inches and smaller shall be threaded and have bronze bodies. Valves 2-1/2" and larger shall be iron body bronze mounted (IBBM) type and shall be flanged or suitable for Victaulic mechanical couplings.
- All valves shall bear NSF or other suitable approval for potable water service.

Unions: All unions shall be 150 psig rated malleable iron, screwed, with brass to iron ground joints. Provide dielectric unions at dissimilar metal connections in cold water systems. For copper pipe, provide copper sweat unions or disassemble-able mechanical joints.

Ball Valves: Provide for isolation duty in piping systems 2-1/2" inches and smaller. Provide full ported 90 degree bronze ball valves with teflon seats, brass packing gland, and TFE impregnated adjustable packing, rated for 600 psi WOG (non-shock). Valves for potable water service must be lead-free.

Water Hammer Arrestors: Provide and install water hammer arrestors where shown on the drawings and in accordance with the Uniform Plumbing Code. Shock arrestors shall be lead free and shall have a piston, o-ring, and inert gas for shock absorption. Size shock arrestors per manufacturer's instructions except as otherwise noted on the plans. Provide Zurn 1260XL series or equivalent.

Expansion Tanks: Provide Amtrol Therm-X-Trol diaphragm type expansion tank with capacity as specified on the drawings, or equivalent by Bell & Gossett, Taco, or others. Secure tanks from substantial structure and provide clearance for hose end drain. Pre-charge expansion tank as shown. Write pre-charge pressure on tank in indelible marker.

Cleanouts: Cleanouts on bare pipe shall be Zurn Z-1445 for cleanouts in straight runs. Cleanouts at end of pipe run may be generic plug. Cleanouts in walls shall be Zurn No. Z-1443. Cleanouts in floors shall be Zurn No. Z-1400 combination cleanout with nickel bronze frame and adjustable scoriated cover. Provide concealed cleanouts with round stainless steel covers. Equivalent products of J.R. Smith, Sioux Chief, and Watts are acceptable.

PART 4—PIPING AND SPECIALTY INSTALLATION

General:

- Ream all pipe to full inside diameter after cutting and thoroughly clean before installation. Run all piping as directly as possible, avoiding unnecessary offsets. Conceal piping in finished rooms unless noted or specified otherwise. Arrange pipelines to give ample room for the pipe insulation specified.
- Thoroughly flush all piping after installation.
- Provide the appropriate sizes of insulating couplings between piping systems of dissimilar materials and at all equipment where piping and equipment are of dissimilar materials.
- Verify local government and utility company's inspection requirements and abide by their rights of inspection before covering or otherwise concealing any piping.
- Pipe support style and interval shall be as required by applicable code and as detailed on the drawings.
- All openings in pipes shall be kept closed during the progress of the work with tape, caps, or test plugs. Rags and paper wads shall not be used.
- Allowance for expansion shall be made in the installation of all piping so that usual variation in temperature will not cause undue stress at any point. Pipe shall be securely anchored where necessary to properly distribute expansion stresses.
- Escutcheons shall be provided at all pipe penetrations in occupied spaces or visible locations.
- All lines and risers shall be blocked as may be necessary to prevent noise or vibration when water is turned on or off.
- Water hammer air chambers, 18 inches long and of the same size as the branches shall be placed vertically on the end of all supply branches to each fixture.
- Locate all specialties for easy access.
- Run all horizontal drainage and vent piping at a uniform grade of ¼" per foot in the direction of flow unless otherwise indicated on the drawings.
- Support above-grade sanitary piping to ceiling, underside of floor, or within walls as required, and at the maximum elevation possible.
- Vents shall be installed using a neoprene boot with galvanized plate as manufactured by Oatey's; equivalent products by other manufacturers are acceptable. Paint all vents in color similar to roof.
- Provide cleanouts as shown on the plans and as required by applicable codes. Cleanouts shall be the same size as the pipe, up to 4".
- Provide cleanouts to grade outside building as shown. Cleanouts and/or cleanout covers, where provided, shall be installed flush with surrounding surfaces.
- Pressure test all new piping in accordance with governing codes.

Sleeves:

- Provide sleeves large enough for pipe and insulation, if insulated, for all pipes penetrating floors or walls. Cut openings only as large as required for the installation. Holes for sleeves in concrete or masonry shall be core drilled.
- Non-Fire Rated Walls and Floors: Caulk between pipe and all sleeves. Provide chromed plates for pipe penetrations of walls and floors where exposed to view. Install sleeves flush with finished surfaces of walls and ceilings and grout in place. Surfaces around openings shall be left smooth and finished to match surrounding surface. Sleeves in floors shall extend 1/4 inch above finished floor and be caulked to floor with silicone.

PART 5—PLUMBING FIXTURES AND EQUIPMENT

Quality Assurance:

- Plumbing fixtures specified hereinafter shall be provided free of flaws and defects of any sort in material and workmanship and shall operate perfectly when installed in accordance with manufacturer's directions.
- Chrome plated plastic is not an acceptable material for fixtures or trim.
- Chrome plated brass escutcheons shall be provided at each point a pipe or other fitting enters the wall or floor at a fixture or enters a finished space.
- Provide all vitreous china and enameled cast iron fixtures in standard white finish. Provide showers in standard white.

Plumbing Fixtures and Trim

- Acceptable Manufacturers:
 - Stainless Steel Sinks: American Standard, CECO, Elkay, Franke, Just, Kindred, Kohler, or Moen.
 - Faucets and Tailpieces: American Standard, Cambridge Brass, Chicago, Delta, Eljer, Just, Kohler, Moen, Speakman, Symmons, or T & S Brass.
- All stops shall be quarter-turn ball valve style.
- Installation:
 - Plumbing fixtures shall be installed where shown on a neat and workmanlike manner with proper connections to supply and drainage piping.
 - Protect the plumbing fixtures and accessories and cover fixtures with building paper and wooden crates during construction. Replace at no cost to the Owner any fixture or accessory that is marred, scratched, defaced, or broken.
 - Water shall be turned on to all supply lines and all fixtures shall be demonstrated to operate properly.
 - All fixtures and trim shall be cleaned thoroughly.

Requirements for Handicapped Accessible Plumbing Fixtures

- Refer to details on architectural drawings. The architectural drawings and specifications shall take precedence over any handicapped accessibility requirements listed in this paragraph or on the Plumbing Fixture Schedule.

PLUMBING FIXTURE SCHEDULE								
MARK	MANUFACTURER AND NUMBER	FAUCET OR VALVE	ACCESSORIES	MOUNT HEIGHT	SUPPLY	WASTE	VENT	COMMENTS
SK-1	KINDRED CDLA33-22-8-4CBN CREEMORE	MOEN 7430	STOPS, P-TRAP, STAINLESS STEEL BASKET STRAINERS	COUNTER	1/2" H. & C.	2"	1-1/2"	
GENERAL: ARCHITECTURAL PLANS AND DETAILS TAKE PRECEDENCE FOR LOCATION, MOUNTING HEIGHTS, CLEARANCES, ETC. ALL STOPS SHALL BE QUARTER-TURN BALL-VALVE STYLE.								

GENERAL NOTES - ALL SHEETS

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DO NOT SCALE FROM DRAWINGS.
- COORDINATE PIPING INSTALLATION AND LOCATION WITH OTHER ITEMS AND TRADES, SUCH AS DUCTWORK, ELECTRICAL, LIGHTING, FIRE SPRINKLER, ETC.
- DO NOT RUN PIPING OVER OR WITHIN NEC REQUIRED SERVICE CLEARANCE OF ELECTRICAL PANELS AND LOAD CENTERS.
- PROVIDE CLEANOUTS WHERE SHOWN ON THE PLANS AND WHERE REQUIRED BY THE GOVERNING CODE AND AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL VERIFY SEWER INVERT PRIOR TO BEGINNING ANY CONSTRUCTION WORK OR PIPE LAYOUT. NOTIFY ENGINEER IMMEDIATELY IF SEWER IS SHALLOWER THAN EXPECTED AND/OR IF PROBLEMS CONNECTING TO IT ARE ANTICIPATED.
- ALL PENETRATIONS INTO OR THROUGH FIRE-RATED ASSEMBLIES SHALL COMPLY WITH ASSEMBLY PENETRATION SCHEDULE ON THIS SHEET.



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
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			SD	
			DD	
			CD	

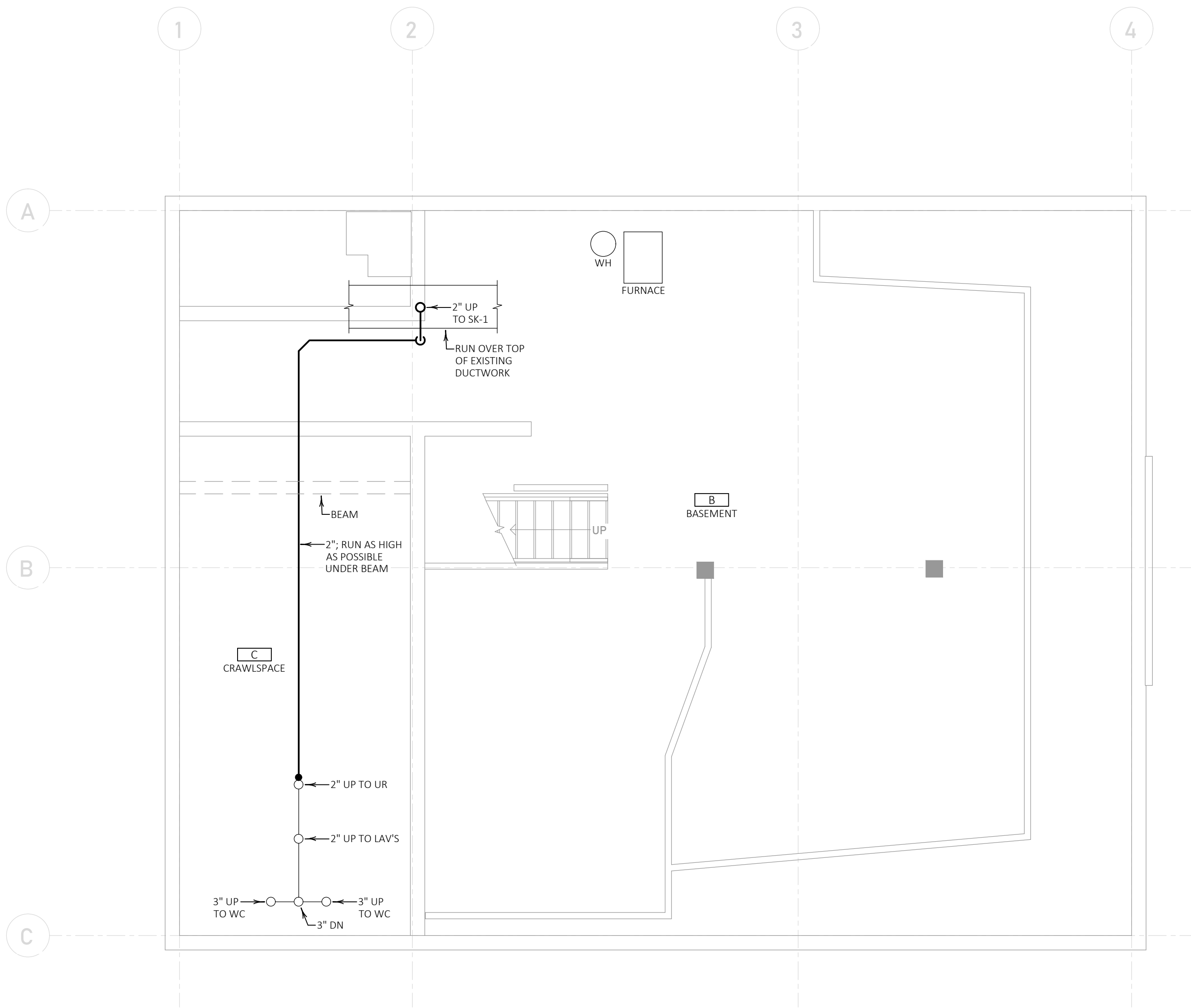
PLUMBING
SCHEDULES AND
SPECIFICATIONS

PERMIT

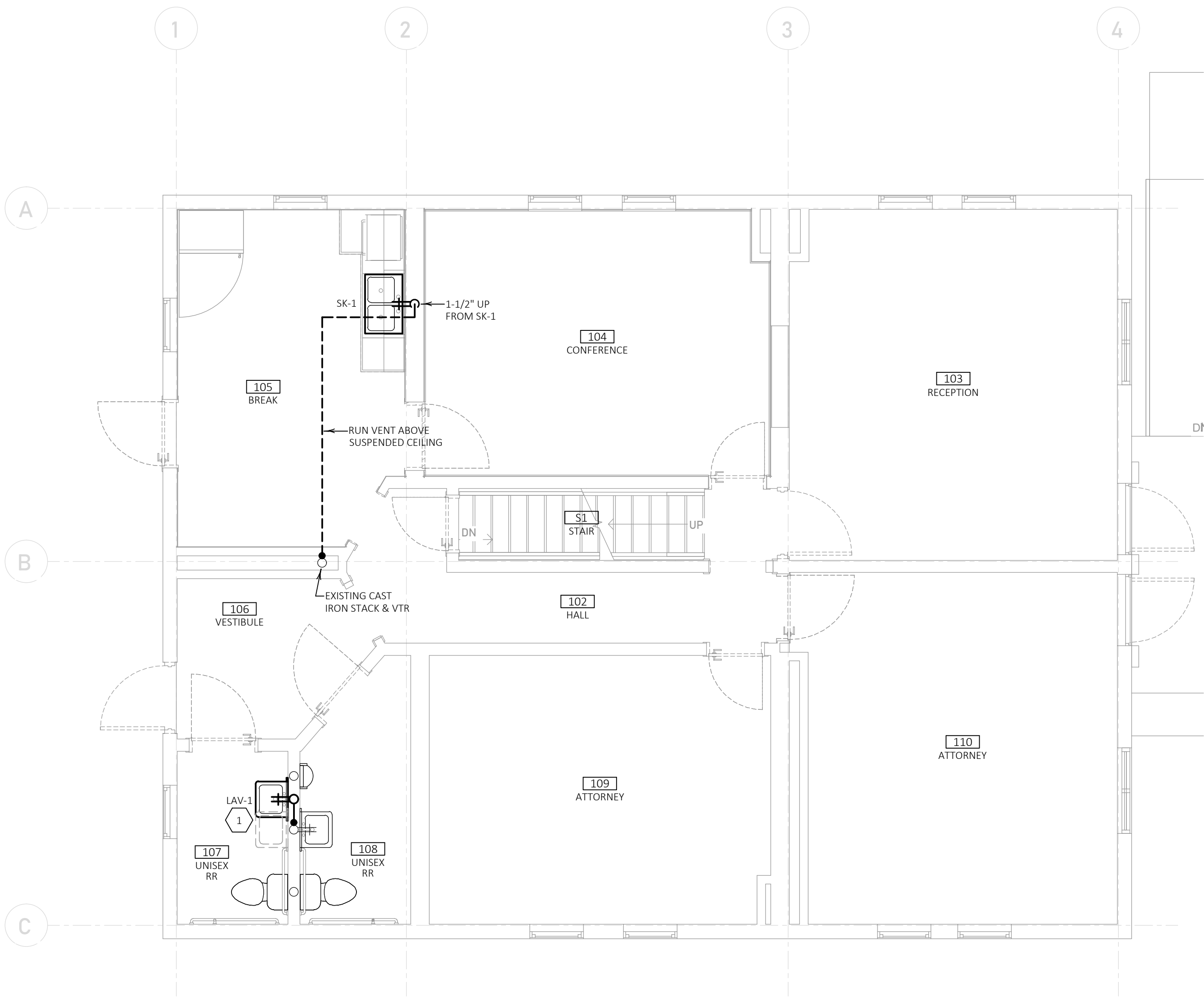
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2026.08.06

Exhibit B



1 BASEMENT WASTE AND VENT PLAN
P1.1 1/4" = 1'-0"



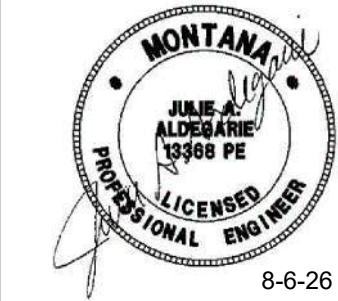
2 1ST FLOOR WASTE AND VENT PLAN
P1.1 1/4" = 1'-0"

NOTE:
INSTALLATION OF SK-1
WILL BE AN ALTERNATE.

1

CONSTRUCTION NOTES

1 LAV-1 IS EXISTING LAV BEING RELOCATED APPROXIMATELY 17" TO THE NORTH ON SAME WALL TO MEET ADA CLEARANCE REQUIREMENTS. RECONNECT LAV TO EXISTING WASTE, VENT, AND SUPPLY PIPING. PIPE DRAINS FROM EVAPORATOR COIL, AND FURNACE TO TAIL PIECE OF LAV.



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
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			SD	
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WASTE AND VENT
PLANS

PERMIT

P1.1

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Exhibit B



NOTE:
INSTALLATION OF SK-1
WILL BE AN ALTERNATE.



REV	DESC	DATE	PHASE	DATE
1	OWNER REV.	08/31/26	PRE	
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ELECTRICAL LEGEND

(LEGEND IS GENERAL IN NATURE. NOT ALL OF THE SYMBOLS SHOWN ARE USED IN THIS PROJECT.)

	DUPLEX AFCI OUTLET. +18" AFF UNO.
	DUPLEX AFCI OUTLET. ABOVE COUNTER.
	SIMPLEX OUTLET. +18" AFF UNO.
	DUPLEX OUTLET. +18" AFF UNO.
	DUPLEX OUTLET. MOUNTED ABOVE COUNTER UNO.
	DUPLEX OUTLET. +18" AFF UNO WITH GROUND FAULT INTERRUPTION PROTECTION.
	DUPLEX OUTLET. MOUNTED ABOVE COUNTER UNO WITH GROUND FAULT INTERRUPTION PROTECTION.
	SWITCHED DUPLEX OUTLET. +18" AFF UNO.
	DUPLEX OUTLET WITH INTEGRATED USB CHARGING OUTLETS. +18" AFF UNO.
	DUPLEX ISOLATED GROUND OUTLET. +18" AFF UNO.
	DUPLEX ISOLATED GROUND OUTLET. MOUNTED ABOVE COUNTER UNO.
	DUPLEX 20A OUTLET. +18" AFF UNO.
	DUPLEX 20A OUTLET. MOUNTED ABOVE COUNTER UNO.
	SINGLE 20A OUTLET. +18" AFF UNO.
	FOURPLEX OUTLET. +18" AFF UNO.
	FOURPLEX OUTLET. MOUNTED ABOVE COUNTER UNO.
	FOURPLEX ISOLATED GROUND OUTLET. +18" AFF UNO.
	FOURPLEX ISOLATED GROUND OUTLET. MOUNTED ABOVE COUNTER UNO.
	FOURPLEX CONVENIENCE OUTLET. +18" AFF UNO. (1) RECEPTACLE IS TO BE CONTROLLED BY A LOCAL OCCUPANCY SENSOR. THE CONTROLLED RECEPTACLE SHALL BE GRAY IN COLOR. THE OTHER RECEPTACLE SHALL BE UNCONTROLLED (UNSWITCHED) AND WHITE IN COLOR.
	SPECIAL PURPOSE OUTLET. VERIFY SIZE AND TYPE WITH EQUIPMENT SUPPLIER.
	CONNECTION POINT TO EQUIPMENT SPECIFIED, FURNISHED AND INSTALLED UNDER OTHER SECTIONS. ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY, CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION, UNO.
	DUPLEX OUTLET. FLUSH, FLOOR MOUNTED.
	DUPLEX SWITCHED OUTLET. FLUSH, FLOOR MOUNTED.
	DUPLEX ISOLATED GROUND OUTLET. FLUSH, FLOOR MOUNTED.
	FOURPLEX OUTLET. FLUSH, FLOOR MOUNTED.
	SPECIAL PURPOSE OUTLET. FLUSH, FLOOR MOUNTED.
	WIREMOLD OUTLET.
	MOTOR CONNECTION. RE: MECHANICAL EQUIPMENT SCHEDULE
	POWERPOLE – DUAL CHANNEL.
	PAD MOUNT TRANSFORMER.

COMMUNICATIONS

	TELEPHONE OUTLET, FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING. LOCATED AT 18" AFF UNO.
	TELEPHONE OUTLET, FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING. LOCATED ABOVE COUNTER UNO.
	TELEPHONE/DATA OUTLET, FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING. LOCATED AT +18" AFF UNO.
	DATA OUTLET, FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING. LOCATED AT 18" AFF UNO.
	DATA OUTLET, FOUR-SQUARE DEEP TYPE BOX WITH SINGLE GANG MUDRING. LOCATED ABOVE COUNTER UNO.
	CEILING MOUNTED WIDE AREA ACCESS POINT.
	TELEPHONE OUTLET. FLUSH, FLOOR MOUNTED.
	TELEPHONE/DATA OUTLET. FLUSH, FLOOR MOUNTED.
	DATA OUTLET. FLUSH, FLOOR MOUNTED.
	SPEAKER. CEILING MOUNTED WITH BACKBOX.
	SPEAKER. WALL MOUNTED WITH BACKBOX +80" UNO.
	TELEVISION OUTLET, SINGLE-GANG BOX WITH MUDRING. +18" AFF UNO.
	TELEVISION OUTLET, SINGLE-GANG BOX WITH MUDRING. CEILING MOUNTED.
	TELEVISION OUTLET. FLUSH, FLOOR MOUNTED.
	CEILING MOUNTED DOME CAMERA.
	WALL MOUNTED CAMERA.

MISCELLANEOUS

	JUNCTION BOX.
	JUNCTION BOX, WALL MOUNTED.
	THERMOSTAT. +56" AFF UNO. UNIT CONTROLLED INDICATED.
	HUMIDISTAT. +56" AFF UNO. UNIT CONTROLLED INDICATED.
	SURFACE MOUNTED PANELBOARD/ENCLOSURE. SEE SCHEDULE FOR TYPE.
	FLUSH MOUNTED PANELBOARD/ENCLOSURE. SEE SCHEDULE FOR TYPE.
	MECHANICAL EQUIPMENT SYMBOL (RE: MECHANICAL DRAWINGS FOR EXACT LOCATION OF UNITS).
	INDICATES FIXTURE TYPE. REFER TO LUMINAIRE SCHEDULE.
	120V SMOKE DETECTOR

LIGHTING (SEE LUMINAIRE SCHEDULE FOR EXACT REQUIREMENTS)

	SINGLE FACE EXIT SIGN. CEILING MOUNTED.
	DOUBLE FACE EXIT SIGN. CEILING MOUNTED.
	SINGLE FACE EXIT SIGN. WALL MOUNTED.
	DOUBLE FACE EXIT SIGN. WALL MOUNTED.
	SINGLE FACE COMBO EXIT SIGN/EMERGENCY LUMINAIRE. WALL MOUNTED.
	ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
	LIGHT FIXTURE.
	LIGHT FIXTURE.
	LIGHT FIXTURE.
	SUSPENDED LIGHT FIXTURE.
	WALL MOUNTED FIXTURE.
	WALL SCONCE FIXTURE.
	WALL PACK FIXTURE.
	UNDERCABINET MOUNTED FIXTURE.
	TRACKLIGHT.
	PENDANT LIGHT FIXTURE.
	ROUND DECORATIVE LIGHT FIXTURE. SURFACE MOUNT
	RECESSED LIGHT FIXTURE.
	RECESSED WALL WASH LIGHT FIXTURE.
	PORCELAIN LAMP HOLDER.
	WALL MOUNTED PORCELAIN LAMP HOLDER.
	CEILING FAN.
	CEILING FAN WITH LIGHT KIT.
	POLE LIGHT 1 HEAD ROUND WITH POLE.
	POLE LIGHT 2 HEAD ROUND WITH POLE.
	POLE LIGHT 1 HEAD SQUARE WITH POLE.
	POLE LIGHT 2 HEAD SQUARE WITH POLE.
	BOLLARD LIGHT.
	DECORATIVE POST-TOP LIGHT.
	SPOT/FLOOD LIGHT.
	EMERGENCY EGRESS LIGHT. WALL MOUNTED.
	EMERGENCY EGRESS LIGHT. CEILING MOUNTED.

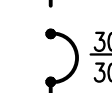
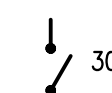
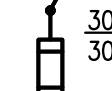
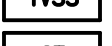
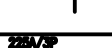
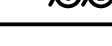
SWITCHES

	SWITCH. TYPE AS INDICATED. +46" AFF. UNO.
	2 DOUBLE POLE
	3 3-WAY
	4 4-WAY
	D DIMMER
	HP HORSEPOWER RATED
	K KEYED
	LV LOW VOLTAGE
	M MOMENTARY CONTACT
	MM MANUAL MOTOR STARTER
	OS OCCUPANCY SENSOR
	P PILOT LIGHT
	T TIMER
	TO THERMAL OVERLOAD
	V VOLUME CONTROL
	VS VACANCY SENSOR
	o SUPERScript INDICATES LIGHTS TO BE SWITCHED TOGETHER
	S MULTI-LEVEL SWITCHING, TO MEET LIGHT REDUCTION LEVELS PER ENERGY CODE AS SHOWN. PROVIDE ADDITIONAL OR STEP-DIMMING BALLASTS WHERE REQUIRED.
	OCCUPANCY SENSOR. CEILING MOUNTED.
	PHOTOCELL. WALL MOUNTED.
	PHOTOCELL. CEILING MOUNTED.
	TIMECLOCK. WALL MOUNTED.
	SINGLE BUTTON, WALL MOUNTED PUSHBUTTON. MOUNT AT SWITCH HEIGHT UNO.
	THREE BUTTON, WALL MOUNTED PUSHBUTTON. MOUNT AT SWITCH HEIGHT UNO.
	MOTOR STARTER/CONTACTOR.
	COMBINATION STARTER AND DISCONNECT.
	NON-FUSED DISCONNECT SWITCH. SIZE AS INDICATED, NEMA 1 UNO, 3 POLE UNO.
	FUSED DISCONNECT SWITCH. SIZE AS INDICATED, NEMA 1 UNO, 3 POLE UNO.

CIRCUITING SYMBOLS

	CONDUIT STUBBED, CAPPED, AND MARKED WITH PULL CORD.
	CONDUIT UP.
	CONDUIT DOWN.
	HOMERUN. PANEL AND CIRCUIT AS INDICATED.
	CIRCUIT CONCEALED IN CEILING OR WALL. 3/4"-2#12,1#12G UNO.
	CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND. 3/4"-2#12,1#12G UNO.
	RACEWAY SIZE
	GROUNDING CONDUCTOR SIZE
	CONDUCTOR SIZE
	CONDUCTOR QUANTITY

ONE LINE

	BRANCH PANEL.
	CIRCUIT BREAKER. SIZE AND TYPE AS SPECIFIED.
	CIRCUIT BREAKER. FRAME SIZE (AF) AND TRIP PLUG/RATING (AT), 3 POLE, UNO.
	FUSE. SIZE AND TYPE AS SPECIFIED, PROVIDE FUSE FOR EACH POLE, 3 POLE, UNO.
	INTERRUPTER SWITCH. SIZE AS INDICATED, 3 POLE, UNO.
	FUSED SWITCH. SWITCH SIZE (AS) & FUSE SIZE (AF) AS INDICATED, 3 POLE, UNO.
	DRAW OUT CIRCUIT BREAKER FRAME (AF) SIZE AND TRIP PLUG RATING (AT), 3 POLE, UNO.
	INDIVIDUAL BREAKER FRAME (AF) SIZE AND TRIP PLUG RATING (AT), NEMA 1 UNO, 3 POLE UNO.
	METER.
	AMMETER.
	VOLTMETER.
	KIRK KEY LOCK.
	GROUND FAULT PROTECTION.
	SURGE PROTECTION DEVICE.
	ARC FLASH MITIGATION.
	VARIABLE FREQUENCY DRIVE.
	TRANSIENT VOLTAGE SURGE SUPPRESSION.
	SHUNT TRIP COIL.
	KILOWATT HOUR METER.
	KILOVAR DEMAND METER.
	TEST BLOCK.
	OVERHEAD SERVICE DROP.
	GENERATOR SET. MAIN BREAKER SIZE INDICATED.
	TRANSFER SWITCH.
	GUTTER.
	METER AND BASE.
	NEUTRAL.
	TRANSFORMER
	STARTER AND OVERLOAD, NEMA SIZE AS INDICATED.
	GROUND

ABBREVIATIONS & DESCRIPTIONS

A	AMPERES	KW	KILOWATT
AC	ABOVE COUNTER. REFER TO ARCHITECTURAL ELEVATIONS FOR REQUIRED HEIGHT.	KWH	KILOWATT HOUR
AF	ABOVE FINISHED FLOOR	M	MAGNETIC CONTACTOR COIL
AFG	ABOVE FINISHED GRADE	MB	MAIN BREAKER
AF	AMPERE FRAME	MCC	MOTOR CONTROL CENTER
AFCI	ARC FAULT CIRCUIT INTERRUPT	MLO	MAIN LUGS ONLY
AHF	ACTIVE HARMONIC FILTER	MS	MOTOR STARTER
AHJ	AUTHORITY HAVING JURISDICTION	MTS	MANUAL TRANSFER SWITCH
AT	AMP TRIP	MH	MANHOLE
ATS	AUTOMATIC TRANSFER SWITCH	MW	MICROWAVE
AWG	AMERICAN WIRE GAUGE	N	NEUTRAL
BW	BLANKET WARMER	NC	NORMALLY CLOSED
C	CONDUIT	NCL	NON CRITICAL LOAD
CB	CIRCUIT BREAKER	NEC	NATIONAL ELECTRICAL CODE
CC	CRASH CART	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NO	NORMALLY OPEN
CL	CRITICAL LOAD	NTS	NOT TO SCALE
CM	CEILING MOUNTED	OL	OVERLOAD
CO	CONDUIT ONLY, PROVIDE PULL-LINE	OS	OCCUPANCY SENSOR
DC	MECHANICAL DUCT-MOUNTED DEVICE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
D	DIRECT CURRENT	P	PHOTO
DET	DETAIL	PC	PHOTOCELL
E	EMERGENCY/CRITICAL CARE	PVC	POLYVINYL CHLORIDE
(E)	EXISTING	RCPT	RECEPTACLE
EF	EXHAUST FAN	(R)	RELOCATED
EL	EMERGENCY LIGHT	(RE)	REPLACED
ELC	ELECTRIC WATER COOLER	REF	REFRIGERATOR
EW	ELECTRIC WATER HEATER	RVSS	REDUCED VOLTAGE SOFT START
F	FUSE	SER	SERVICE ENTRANCE RATED
FACP	FIRE ALARM CONTROL PANEL	SPST	SINGLE POLE SINGLE THROW
FVNR	FULL VOLTAGE NON-REVERSING	TC	TIME CLOCK
G/ND	GROUND	TDR	TIME DELAY RELAY
GF	GROUND FAULT INTERRUPTION	TJB	TERMINAL JUNCTION BOX
GFP	GROUND FAULT PROTECTION	TSP	TWISTED SHIELDED PAIR
H	HEAT	TTB	TELEPHONE TERMINAL BOARD
HH	HANDHOLE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
HID	HIGH INTENSITY DISCHARGE	TYP	TYPICAL
HOA	HAND OFF AUTO	UH	UNIT HEATER
HP	HOUSE PHONE	UNO	UNLESS NOTED OTHERWISE
HVAC	HEATING, VENTILATING, & AIR CONDITIONING	UPS	UNINTERRUPTIBLE POWER SUPPLY
I	IONIZATION	V	VOLT
ID	IN-DUCT	VA	VOLT AMPERE
IC	INTERRUPTING CAPACITY	VFD	VARIABLE FREQUENCY DRIVE
IG	ISOLATED GROUND	WG	PROVIDE PROTECTIVE WIRE GUARD
INT	INTERCOM	WP	WEATHER PROOF/NEMA 3R
J/JB	JUNCTION BOX	XFMR	TRANSFORMER

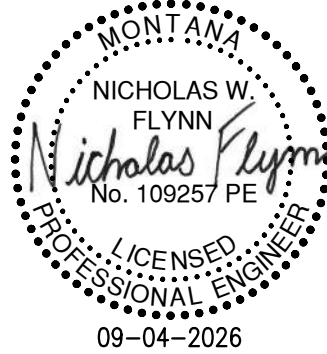
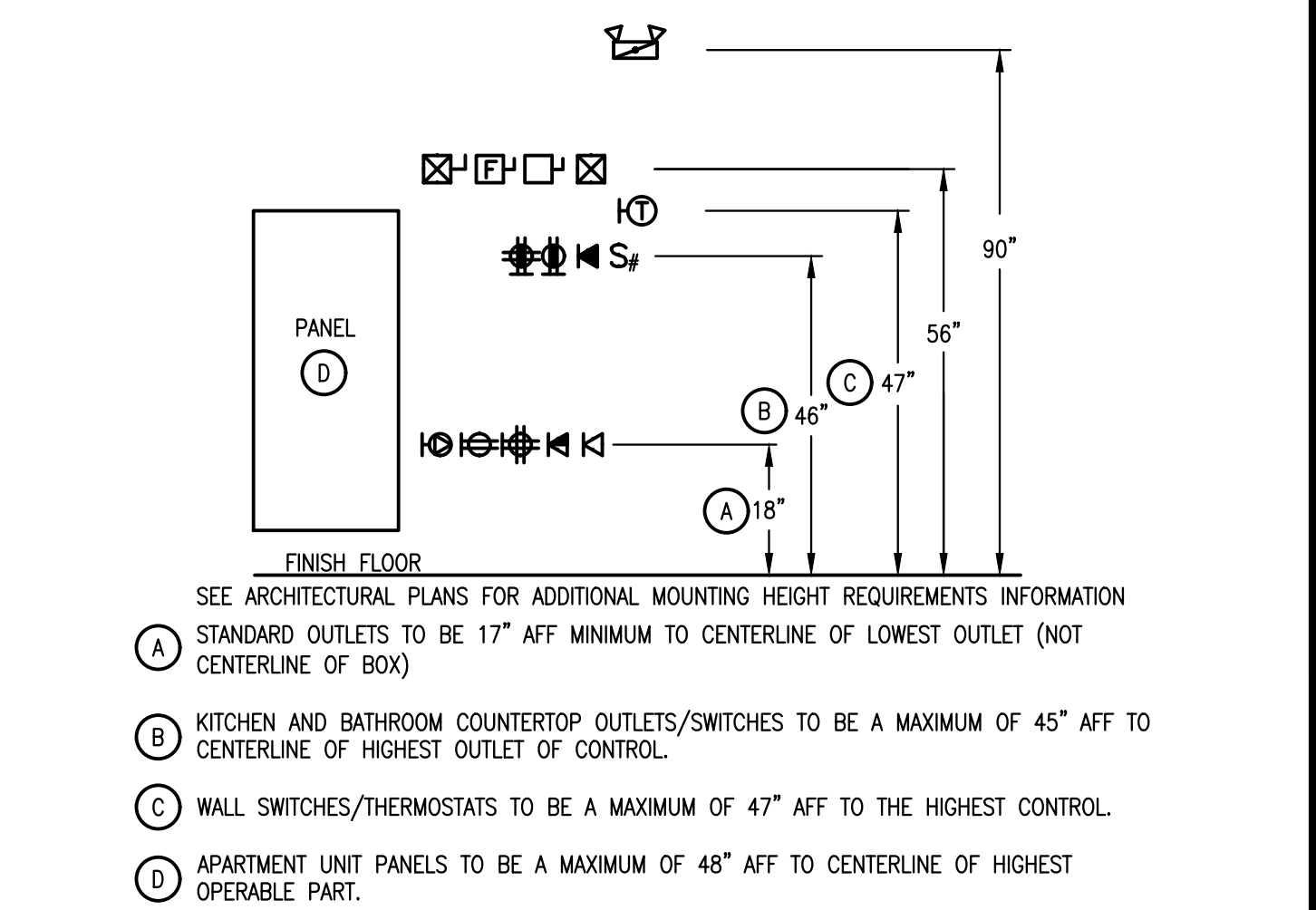
SHEET INDEX

E0.0	ELECTRICAL COVER SHEET
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E0.2	DOOR HARDWARE DETAILS
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E2.3D	ELECTRICAL ROOF DEMO PLAN
E2.1	ELECTRICAL FIRST FLOOR PLAN
E2.2	ELECTRICAL SECOND FLOOR PLAN
E2.3	ELECTRICAL ROOF PLAN
E3.0	ELECTRICAL DETAILS

GENERAL ELECTRICAL NOTES

- (RE: ALL ELECTRICAL SHEETS)
- ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, INTERNATIONAL FIRE CODE, AND ALL OTHER STATE AND LOCAL CODES. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER IN WRITING IF PORTIONS OF THE DESIGN SET OR FIELD CONDITIONS DO NOT MEET REQUIRED CODES.
 - PROVIDE FIRESTOPPING FOR ALL FLOOR, CEILING AND FIREWALL PENETRATIONS FROM ELECTRICAL FIXTURE, DEVICE, RACEWAY AND CABLE PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR FIREWALL ASSEMBLY LOCATIONS.
 - PROVIDE AND INSTALL 3/4" CO TO ACCESSIBLE LOCATION ABOVE SUSPENDED CEILING, UNLESS NOTED OTHERWISE FOR DATA, TELEPHONE AND TELEVISION DEVICES. DATA, TELEPHONE AND TELEVISION CABLING ARE NOT PROVIDED UNDER THIS CONTRACT.
 - DESIGN OF ELECTRICAL REQUIREMENTS, FOR MECHANICAL EQUIPMENT, IS BASED ON MECHANICAL EQUIPMENT SPECIFIED. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR IF EQUIPMENT PURCHASED IS DIFFERENT FROM THAT SPECIFIED STILL MEETS DESIGN INTENT, INCLUDING BUT NOT LIMITED TO OVERCURRENT PROTECTION, LOCAL DISCONNECTING MEANS, WIRE SIZING AND DESIGN COSTS.

MOUNTING HEIGHTS DETAIL



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
Project Number

REV	DESC	DATE	PHASE	DATE
1	OWNER CHANGES	08/31/26	PRE	
			SD	
			DD	
			CD	

ELECTRICAL
COVER SHEET

PERMIT SET

E0.0

2026.09.04

ELECTRICAL SPECIFICATIONS

Exhibit B

PART 1 – GENERAL

1.1 SCOPE OF WORK

FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND ALL OTHER WORK AND MISCELLANEOUS ITEMS, NOT SPECIFICALLY MENTIONED, BUT REASONABLY INFERRED FOR A COMPLETE INSTALLATION, INCLUDING ALL ACCESSORIES AND APPURTENANCES REQUIRED FOR TESTING THE SYSTEM. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS THAT ALL SYSTEMS BE COMPLETE AND READY FOR OPERATION. THIS PROJECT INCLUDES ELECTRICAL SERVICE, GENERAL POWER, LIGHTING, AND COMMUNICATIONS SYSTEM RACEWAY. FIRE ALARM SYSTEM IS TO BE DESIGN/BUILD BY GENERAL CONTRACTOR. COMMUNICATIONS SYSTEM CABLING AND HEAD-END EQUIPMENT IS BY OWNER.

1.2 CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL COMPLY WITH LATEST RULES, CODES AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO OSHA, THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING AND FIRE CODES, NFPA, AND OTHER APPLICABLE STATE AND LOCAL LAWS AND REGULATIONS. CODE COMPLIANCE IS MANDATORY. NOTHING IN THESE DRAWINGS AND SPECIFICATIONS PERMITS WORK NOT CONFORMING TO THESE CODES. WHERE WORK IS SHOWN TO EXCEED MINIMUM CODE REQUIREMENTS, COMPLY WITH DRAWINGS AND SPECIFICATIONS.

1.3 LICENSE, FEES AND PERMITS

ARRANGE FOR REQUIRED INSPECTIONS AND PAY ALL LICENSE, PERMIT AND INSPECTION FEES.

1.4 CONDITIONS AT SITE

VISIT TO SITE IS REQUIRED OF ALL BIDDERS PRIOR TO SUBMISSION OF BID. ALL WILL BE HELD TO HAVE FAMILIARIZED THEMSELVES WITH ALL DISCERNIBLE CONDITIONS AND NO EXTRA PAYMENT WILL BE ALLOWED FOR WORK REQUIRED BECAUSE OF THESE CONDITIONS, WHETHER SPECIFICALLY MENTIONED OR NOT. LINES OF OTHER SERVICES THAT ARE DAMAGED AS A RESULT OF THIS WORK SHALL PROMPTLY BE REPAIRED AT NO EXPENSE TO THE OWNER TO COMPLETE SATISFACTION OF THE OWNER.

1.5 SAFETY

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK.

1.6 GUARANTEE

GUARANTEE THE INSTALLATION FREE FROM DEFECTS OF WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER DATE OF CERTIFICATE OF FINAL PAYMENT AND PROMPTLY REMEDY ANY DEFECTS DEVELOPING DURING THIS PERIOD, WITHOUT CHARGE.

1.7 SUBSTITUTIONS

WHEREVER POSSIBLE, MORE THAN ONE MANUFACTURER HAS BEEN LISTED FOR VARIOUS ITEMS OF EQUIPMENT, ANY ONE OF WHICH WILL BE ACCEPTABLE. BASE THE BID ON USE OF MATERIALS SPECIFIED. IF, AFTER AWARD OF THE CONTRACT, A SUBSTITUTE IS PROPOSED, THE REQUEST FOR PERMISSION TO SUBSTITUTE SHALL BE ACCOMPANIED WITH A STATEMENT OF THE AMOUNT OF MONEY TO BE RETURNED TO THE CONTRACT IF THE SUBSTITUTION IS PERMITTED. THE ENGINEER IS THE SOLE JUDGE OF ACCEPTABILITY OF PROPOSED SUBSTITUTIONS, IF A SUBSTITUTE ITEM IS PERMITTED, AND ANY REDESIGN EFFORT IS THEREBY NECESSITATED, THE REQUIRED REDESIGN SHALL BE AT THE CONTRACTOR'S EXPENSE.

1.8 SHOP DRAWINGS AND MATERIALS LISTS

SUBMIT TO THE ENGINEER, DIGITAL COPIES OF COMPLETE SHOP DRAWINGS AND MATERIALS LISTS (SUBMITTAL PACKAGES) FOR REVIEW WITHIN (30) THIRTY DAYS AFTER AWARD OF CONTRACT. EACH SECTION WITHIN A SUBMITTAL PACKAGE MUST BE CLEARLY IDENTIFIED AND ANY DEVIATIONS FROM SPECIFICATIONS MUST BE CLEARLY IDENTIFIED WITHIN THE SECTION UNDER A PROMINENT HEADING MARKED "DEVIATIONS".

1.9 WORKMANSHIP

ONLY QUALITY WORKMANSHIP WILL BE ACCEPTED. HAPHAZARD OR POOR INSTALLATION PRACTICE WILL BE CAUSE FOR REJECTION OF WORK.

1.10 COORDINATION

COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICT AND TO PROVIDE CORRECT ROUGH-IN AND CONNECTION FOR EQUIPMENT FURNISHED UNDER OTHER TRADES THAT REQUIRE ELECTRICAL CONNECTIONS. VERIFY EQUIPMENT DIMENSIONS AND REQUIREMENTS WITH PROVISIONS SPECIFIED UNDER THIS SECTION. CHECK ACTUAL JOB CONDITIONS BEFORE FABRICATING WORK. REPORT NECESSARY CHANGES IN TIME TO PREVENT NEEDLESS WORK.

1.11 CUTTING AND PATCHING

ALL CUTTING REQUIRED FOR WORK OF THIS DIVISION IS INCLUDED HEREIN. COORDINATE WITH GENERAL CONTRACTOR AND OTHER TRADES IS IMPERATIVE. ALL PATCHING IS TO BE DONE BY GENERAL CONTRACTOR.

1.12 SITE CLEANUP

- A. AFTER ALL OTHER WORK HAS BEEN ACCOMPLISHED, CLEAN ALL EXPOSED CONDUIT, FIXTURES, EQUIPMENT AND SUPPORTS. TOUCH UP PAINT ON ANY EQUIPMENT SCRAPPED, SCRATCHED OR DAMAGED DURING CONSTRUCTION.
- B. LEAVE ALL AREAS INVOLVING ELECTRICAL WORK IN A CONDITION SATISFACTORY TO THE OWNER. REMOVE ALL CRATES, CARDBOARD, PACKING MATERIAL, WASTE MATERIAL, AND OTHER DEBRIS LEFT OVER FROM CONSTRUCTION.

PART 2 – PRODUCTS

2.1 MATERIAL APPROVAL

ALL MATERIALS MUST BE NEW AND BEAR U.L. LABEL. MATERIALS THAT ARE NOT COVERED BY UL TESTING STANDARDS SHALL BE TESTED AND APPROVED BY AN INDEPENDENT TESTING LABORATORY OF A GOVERNMENTAL AGENCY APPROVED BY THE AUTHORITY HAVING JURISDICTION.

2.2 WIRES AND CABLES

- A. CONDUCTORS FOR 600V SYSTEMS AND BELOW SHALL BE: SOLID COPPER FOR CONDUCTORS #10AWG AND SMALLER, CONDUCTORS LARGER THAN #10AWG SHALL BE STRANDED COPPER, ALUMINUM CONDUCTORS WITH EQUIVALENT AMPACITY AS COPPER CONDUCTORS INDICATED ON DESIGN DRAWINGS ARE ACCEPTABLE.
- B. INSULATION SHALL BE THWN FOR WET LOCATIONS AND THHN FOR DRY LOCATIONS.

2.3 OUTLET BOXES, JUNCTION AND PULL BOXES

- A. OUTLET BOXES: HOT-DIPPED, GALVANIZED OR SHERADIZED. SIZE AS REQUIRED WITH 4" SQUARE MINIMUM, FOR FLUSH MOUNTED DEVICES AND LIGHTING FIXTURES.
- B. JUNCTION AND PULL BOXES: HOT DIPPED, GALVANIZED OR SHERADIZED, SIZED ACCORDING TO CODE. LARGER JUNCTION AND PULL BOXES SHALL BE FABRICATED FROM SHEET STEEL, SIZED ACCORDING TO CODE, WITH SCREW-ON COVERS, FINISHED GRAY BAKED ENAMEL.
- C. INSTALL WHERE SHOWN AND/OR NECESSARY TO TERMINATE, TAP-OFF OR REDIRECT MULTIPLE CONDUIT RUNS.
- D. INSTALL PULL BOXES WHERE NECESSARY IN RACEWAY SYSTEM TO FACILITATE CONDUCTOR INSTALLATION.
- E. INSTALL IN CONDUIT RUNS AT LEAST EVERY 150 FEET OR AFTER THE EQUIVALENT OF THREE RIGHT-ANGLE BENDS.
- F. USE OUTLET BOXES AS JUNCTION AND PULL BOXES WHEREVER POSSIBLE AND ALLOWED BY APPLICABLE CODES.
- G. INSTALLED BOXES SHALL BE ACCESSIBLE.

PLASTIC OUTLET BOXES MAY BE UTILIZED WHERE NM CABLE IS APPROVED PER SECTION 2.8(B) BELOW.

2.4 WIRING DEVICES

- A. ALL WIRING DEVICES OF ANY ONE GENERAL TYPE SHALL BE OF THE SAME MANUFACTURER AND SHALL MATCH THROUGHOUT.
- B. WIRING DEVICES SHALL BE AS MANUFACTURED BY HUBBELL, GE, LEVITON, P & S, OR BRYANT. NO SUBSTITUTIONS.
- C. COVER PLATES SHALL BE AS MANUFACTURED BY ARROW HART, SIERRA, LEVITON OR MULLBERRY. WHITE FINISH.
- D. WHERE INDICATED, PROVIDE GENERAL-DUTY, DUPLEX RECEPTACLES, GROUND-FAULT CIRCUIT INTERRUPTERS: GROUNDING TYPE UL-RATED CLASS A, GROUP 1, 20 AMPERES RATING, 120 VOLTS, 60Hz; WITH SOLID-STATE GROUND-FAULT SENSING AND SIGNALING; WITH 5 MILLIAMPERES GROUND-FAULT TRIP LEVEL; WHITE FINISH.
- E. SWITCHES SHALL BE FLUSH WALL TYPE, WHITE FINISH
- F. CONVENIENCE RECEPTACLES SHALL BE, FLUSH WALL TYPE, WHITE FINISH.

2.5 GROUNDING

GROUND AND BOND AS PER NEC ARTICLE 250. PROVIDED INSULATED GREEN GROUND WIRE IN ALL RACEWAYS.

2.6 WIRE CONNECTORS

- A. FOR WIRE SIZES #8 AWG AND SMALLER: INSULATED PRESSURE TYPE (WITH LIVE SPRING) RATED 105°C, 600V, FOR BUILDING WIRING AND 1000V IN FIXTURES, SCOTCHLOK OR IDEAL.
- B. FOR WIRE SIZES #6 AWG AND LARGER: T&B OR EQUIVALENT COMPRESSION TYPE WITH 3M #33+ OR PLYMOUTH "SLIPKNOT GREY" TAPE INSULATION.

2.7 PANELBOARD

PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, OR CUTLER HAMMER. PROVIDE PANELBOARDS AS INDICATED ON SCHEDULES, WITH THE FOLLOWING FEATURES: HARD-DRAWN COPPER BUS (98 PERCENT CONDUCTIVITY)OR UPON APPROVAL ALUMINUM BUS, MECHANICAL-TYPE MAIN AND NEUTRAL LUGS, NEUTRAL BUS RATED 100 PERCENT OF PHASE BUS, GROUND BUS BONDED TO ENCLOSURE, BOLT-ON MOLDED-CASE THERMAL-MAGNETIC BREAKERS.

2.8 SWITCHBOARD

SWITCHBOARD SHALL BE AS MANUFACTURED BY SQUARE D, CUTLER HAMMER, GE OR SIEMENS, NO SUBSTITUTIONS. SWITCHBOARD OF SUITABLE VOLTAGE AND AMPERAGE RATINGS SHALL BE LOCATED IN A DEDICATED ELECTRICAL ROOM. SWITCHBOARDS SHALL BE FRONT ACCESSIBLE ONLY. THE SWITCHBOARD SHALL HAVE GROUND FAULT PROTECTION ON THE MAIN SWITCH (FOR SERVICES 150V OR GREATER LINE TO GROUND), FEEDERS TO THE KITCHEN AND POOL PANELS, AND ALL FEEDERS 1000A (150V OR GREATER LINE TO GROUND) AND LARGER. PROVIDE TIN-PLATED ALUMINUM BUS. HORIZONTAL BUS SHALL NOT BE REDUCED. MAIN DEVICES SHALL BE INDIVIDUALLY MOUNTED; DEVICES IN THE DISTRIBUTION SECTION SHALL BE GROUP MOUNTED. PROVIDE C.T. METERING COMPARTMENT AS COORDINATED WITH LOCAL UTILITY. FEEDER DEVICES SHALL BE MOLDED CASE CIRCUIT BREAKERS. FIVE (5%) SPARE CAPACITY WILL BE PROVIDED WITH SPACE FOR CORRESPONDING DEVICES. LIGHTNING ARRESTORS AND SURGE SUPPRESSION CAPACITORS SHALL BE INSTALLED IN EACH SERVICE. AN AMMETER, VOLTMETER AND WATT-HOUR DEMAND METER WILL BE PROVIDED FOR EACH SERVICE. PULSE INITIATION TO THE EMS HOST COMPUTER WILL BE PROVIDED.

2.9 RACEWAYS

- A. OUTDOORS:
EXPOSED: RIGID STEEL OR INTERMEDIATE METAL CONDUIT
CONCEALED: RIGID STEEL OR INTERMEDIATE METAL CONDUIT
UNDERGROUND: RIGID NON-METALLIC CONDUIT
TO VIBRATING EQUIPMENT: LIQUID-TIGHT FLEXIBLE METAL CONDUIT
- B. INDOORS:
EXPOSED: ELECTRICAL METALLIC TUBING, RIGID STEEL CONDUIT, PVC-COATED RIGID STEEL CONDUIT
CONCEALED: ELECTRIC METALLIC TUBING, METAL CLAD, NM (WHERE ALLOWED BY LOCAL AHJ)
DAMP OR WET LOCATIONS: RIGID STEEL CONDUIT
TO VIBRATING EQUIPMENT: FLEXIBLE METAL CONDUIT

PART 3 – EXECUTION

3.1 – GENERAL

- A. ELECTRIC SYSTEM LAYOUTS INDICATED ON THE DRAWINGS ARE GENERALLY DIAGRAMMATIC, BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT.
- B. CONSULT ALL OTHER DRAWINGS, VERIFY SCALES AND REPORT ANY DIMENSIONAL DISCREPANCIES OR OTHER CONFLICTS TO ARCHITECT BEFORE SUBMITTING BID.
- C. ALL HOME RUNS ARE INDICATED AS STARTING FROM THE DEVICE NEAREST THE PANEL AND CONTINUING IN THE GENERAL DIRECTION OF THAT PANEL. CONTINUE SUCH CIRCUITS TO THE PANEL AS THOUGH THE ROUTES WERE COMPLETELY INDICATED.
- D. AVOID CUTTING AND BORING HOLES THROUGH STRUCTURE OR STRUCTURAL MEMBERS WHEREVER POSSIBLE. OBTAIN PRIOR APPROVAL OF ARCHITECT AND CONFORM TO ALL STRUCTURAL REQUIREMENTS WHEN CUTTING OR BORING THE STRUCTURE IS NECESSARY AND PERMITTED.

3.2 – ELECTRICAL GROUNDING

GROUND ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC. IN ADDITION PROVIDE A SEPARATE GROUND WIRE FOR ALL FEEDERS AND BRANCH CIRCUITS.

3.3 – ELECTRICAL EQUIPMENT INSTALLATION

- A. HEAD ROOM MAINTENANCE: IF MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED, ARRANGE AND INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE THE MAXIMUM POSSIBLE HEADROOM.
- B. MATERIALS AND COMPONENTS: INSTALL LEVEL, PLUMB, AND PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS, UNLESS OTHERWISE INDICATED.
- C. EQUIPMENT: INSTALL TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT FOR EASE OF DISCONNECTING, WITH MINIMUM INTERFERENCE WITH OTHER INSTALLATIONS.
- D. RIGHT OF WAY: COORDINATE INSTALLATION OF ELECTRICAL DEVICES WITH OTHER TRADES.

3.4 – RACEWAY AND CABLE INSTALLATION

- A. ABOVE GRADE: RIGID STEEL OR IMC IN WET LOCATIONS, WHERE SUBJECT TO MECHANICAL DAMAGE AND IN CONCRETE OR BLOCK WALLS, EMT IN OTHER LOCATIONS WHERE PERMITTED BY CODE. METAL CLAD OR NM CABLE WITHIN UNITS, ONLY WHERE ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION.
- B. CONCEAL RACEWAYS AND CABLES WITHIN FINISHED WALLS, CEILINGS, AND FLOORS, UNLESS OTHERWISE INDICATED.
- C. INSTALL RACEWAYS AND CABLES AT LEAST SIX (6) INCHES AWAY FROM PARALLEL RUNS OF FLUES AND STEAM OR HOT-WATER PIPES. LOCATE HORIZONTAL RACEWAY RUNS ABOVE WATER AND STEAM PIPING.
- D. USE TEMPORARY RACEWAY CAPS TO PREVENT FOREIGN MATTER FROM ENTERING.
- E. MAKE CONDUIT BENDS AND OFFSETS SO INSIDE DIAMETER IS NOT REDUCED. KEEP LEGS OF BENDS IN THE SAME PLANE AND STRAIGHT LEGS OFFSETS PARALLEL, UNLESS OTHERWISE INDICATED.

- F. USE RACEWAY FITTINGS AND CABLE FITTINGS COMPATIBLE WITH RACEWAYS AND CABLES AND SUITABLE FOR THIS APPLICATION AND LOCATION.
- G. INSTALL RACEWAYS EMBEDDED IN SLABS IN MIDDLE THIRD OF SLAB THICKNESS WHERE PRACTICAL, AND LEAVE AT LEAST 1-INCH OF CONCRETE COVER.
 - 1. SECURE RACEWAYS TO REINFORCING RODS TO PREVENT SAGGING OR SHIFTING DURING CONCRETE PLACEMENT.
 - 2. SPACE RACEWAYS Laterally TO PREVENT VOIDS IN CONCRETE.
 - 3. INSTALL CONDUIT LARGER THAN 1-INCH TRADE SIZE PARALLEL TO OR AT RIGHT ANGLES TO MAIN REINFORCEMENT. WHERE CONDUIT IS AT RIGHT ANGLES TO REINFORCEMENT, PLACE CONDUIT CLOSE TO SLAB SUPPORT.
 - 4. TRANSITION FROM NONMETALLIC TUBING TO RIGID STEEL CONDUIT, OR IMC BEFORE RISING ABOVE FLOOR.
- H. MAKE EXPOSED BENDS IOR BANKED RUNS FROM SAME CENTERLINE IN ORDER THAT BENDS ARE PARALLEL. USE FACTORY ELBOWS ONLY WHERE ELBOWS CAN BE INSTALLED PARALLEL; OTHERWISE, PROVIDE FIELD BENDS FOR EXPOSED PARALLEL RACEWAYS.
- I. INSTALL PULL WIRES IN EMPTY RACEWAYS. USE NO. 14 AWG ZINC-COATED STEEL OR MONOFILAMENT PLASTIC LINE WITH NOT LESS THAN 200-LB TENSILE STRENGTH. LEAVE AT LEAST 12-INCHES OF SLACK AT EACH END OF PULL WIRE.
- J. INSTALL TELEPHONE AND SIGNAL SYSTEM RACEWAYS, 2-INCH TRADE SIZE AND SMALLER, IN MAXIMUM LENGTHS OF 150 FEET (45 M) AND WITH A MAXIMUM OF TWO 90-DEGREE BENDS OR EQUIVALENT. SEPARATE LENGTHS WITH PULL OR JUNCTION BOXES WHERE NECESSARY TO COMPLY WITH THESE REQUIREMENTS, IN ADDITION TO REQUIREMENTS ABOVE.
- K. CONNECT MOTORS AND EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT WITH A MAXIMUM OF 72-INCH FLEXIBLE CONDUIT. INSTALL LPMC IN WET OR DAMP LOCATIONS. INSTALL A SEPARATE GROUND CONDUCTOR ACROSS FLEXIBLE CONNECTIONS.
- L. SET FLOOR BOXES LEVEL AND TRIM AFTER INSTALLATION TO FIT FLUSH TO FINISHED FLOOR SURFACE.
- M. CONDUCTORS: TYPE THHN/THWN INSULATED CONDUCTORS IN RACEWAY.
- N. INSTALL SPLICES AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN UNSPLICED CONDUCTORS.
- O. INSTALL WIRING AT OUTLETS WITH AT LEAST 12 INCHES OF SLACK CONDUCTOR AT EACH OUTLET.
- P. CONNECT OUTLET AND COMPONENT CONNECTIONS TO WIRING SYSTEMS AND TO GROUND. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS, ACCORDING TO MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES. IF MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A.

3.5 IDENTIFICATION

- A. PROVIDE ENGRAVED 3 LAYER LAMINATE PLASTIC NAMEPLATES FOR PANELBOARDS, DISCONNECT SWITCHES AND ALL SIMILAR DEVICES.
- B. COLOR-CODE 240/120-VOLT SYSTEM SECONDARY SERVICE, FEEDER, AND BRANCH-CIRCUIT CONDUCTORS THROUGHOUT THE SECONDARY ELECTRICAL SYSTEM AS FOLLOWS:
 - 1. PHASE A: BLACK
 - 2. PHASE B: RED
 - 3. NEUTRAL: WHITE
 - 4. GROUND: GREEN

3.6 STARTUP SERVICES

CONTRACTOR SHALL ALLOT A MINIMUM OF 2 HOURS FOR STARTUP SERVICES. START AND OPERATE ALL SYSTEMS AS REQUIRED BY THE OWNER. INSTRUCT OWNER'S REPRESENTATIVE ON THE PROPER OPERATION AND MAINTENANCE OF THE SYSTEMS AND EQUIPMENT.

3.7 OPERATING AND MAINTENANCE INSTRUCTIONS (O+M MANUAL)

PREPARE THREE (3) COPIES FOR ALL EQUIPMENT.

3.8 RECORD AS-BUILTS

PROVIDE (1) CLEAN, LEGIBLE COPY OF DRAWINGS TO ENGINEER INDICATING ALL DEVIATIONS FROM INITIAL DESIGN (AS-BUILT CONDITIONS).

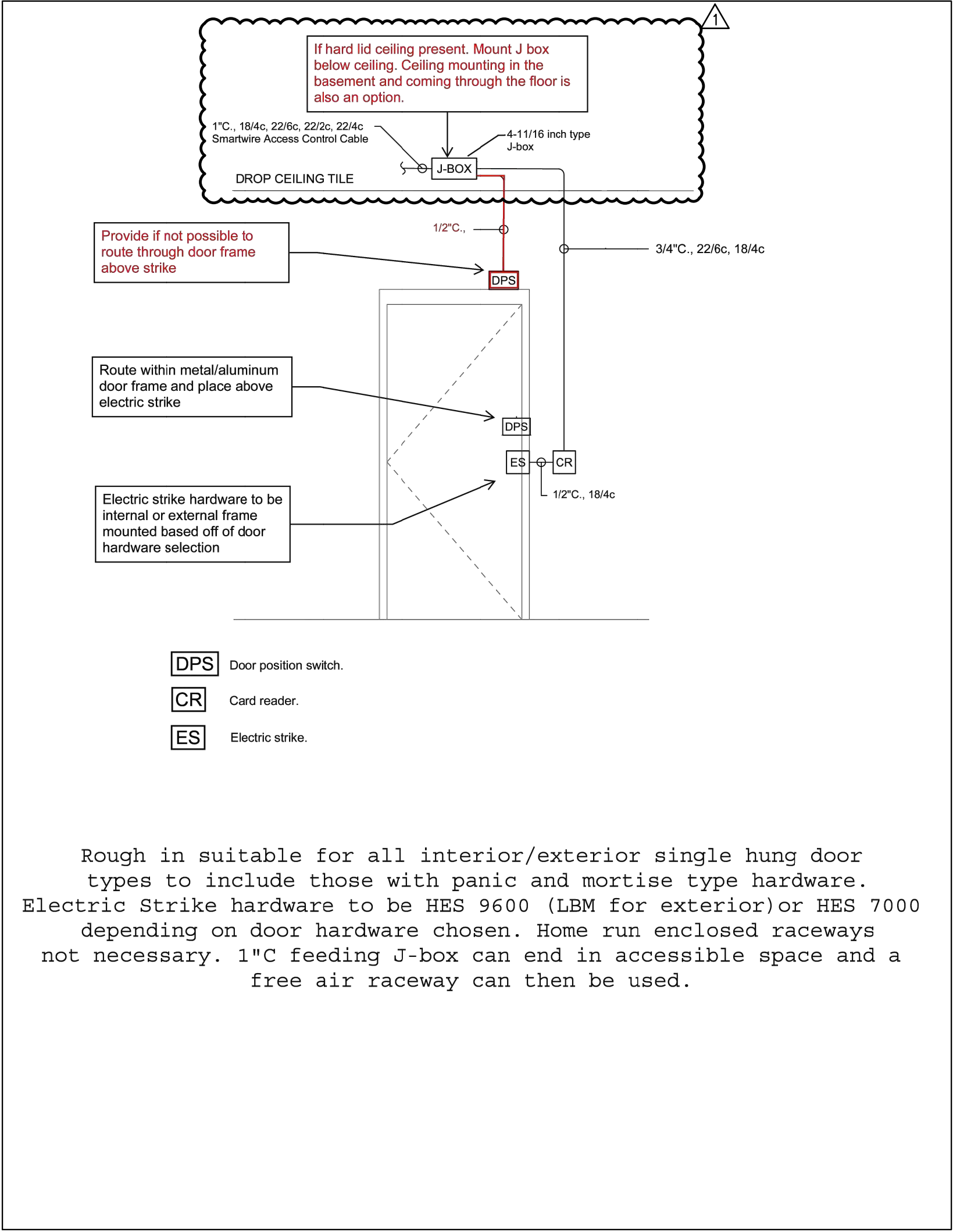


MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
Project Number

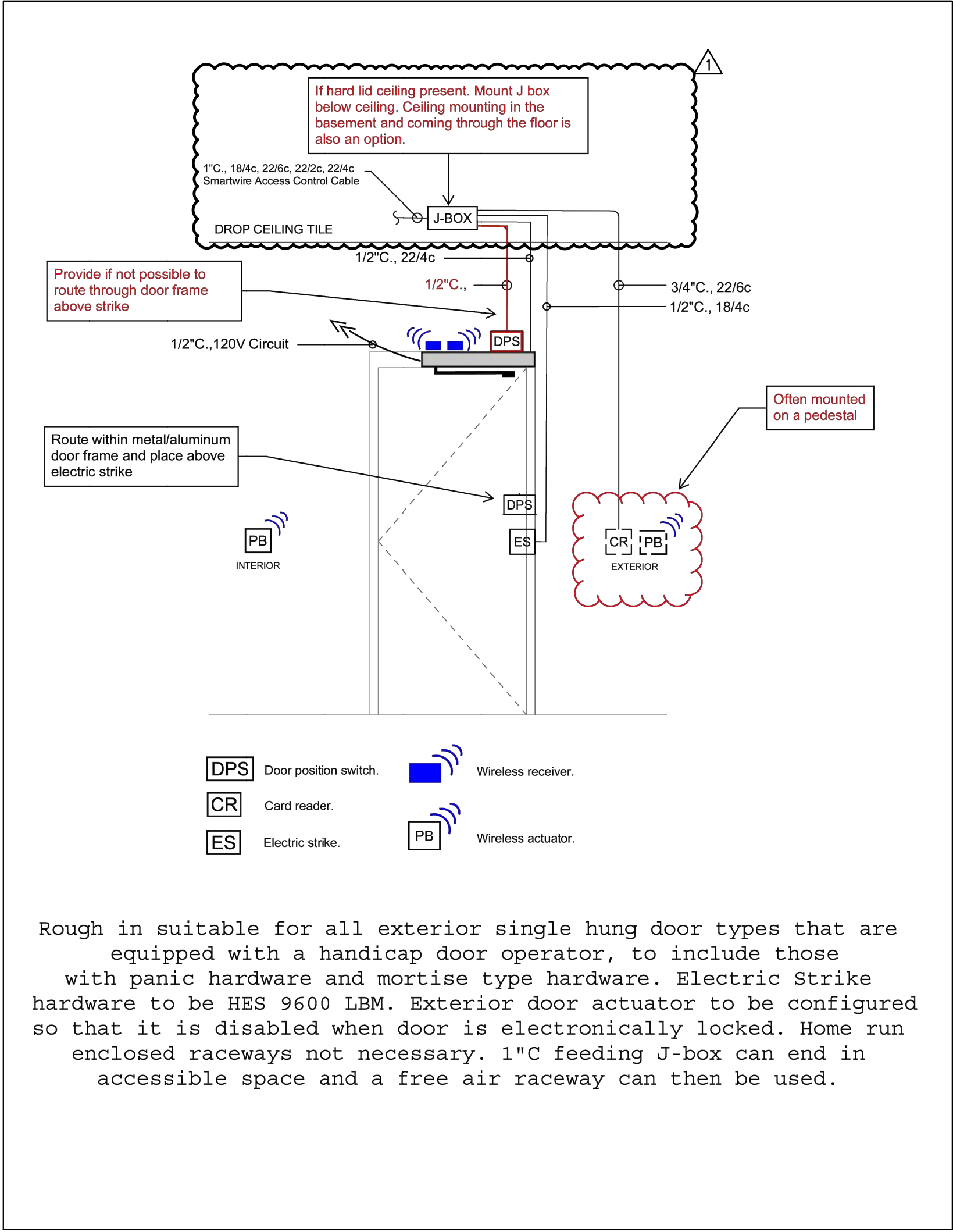
REV	DESC	DATE	PHASE	DATE
A	OWNER CHANGES	08/31/26	PRE	
			SD	
			DD	
			CD	

ELECTRICAL SPECIFICATIONS
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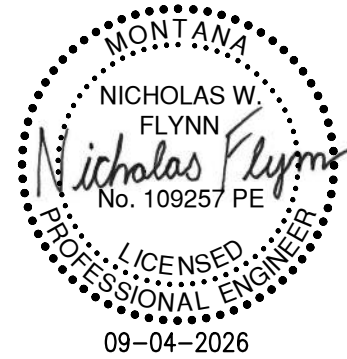
Exhibit B



1 INTERIOR/ EXTERIOR SINGLE DOOR WITH HANDICAP OPERATOR
SCALE: N.T.S.



2 EXTERIOR SINGLE DOOR WITH HANDICAP OPERATOR
SCALE: N.T.S.



MISSOULA COUNTY
311 WOODY ST REMODEL
311 Woody St, Missoula, MT 59802
PROJECT #: Project Number

REV	DESC	DATE	PHASE	DATE
1	OWNER CHANGES	08/31/26	PRE	
			SD	
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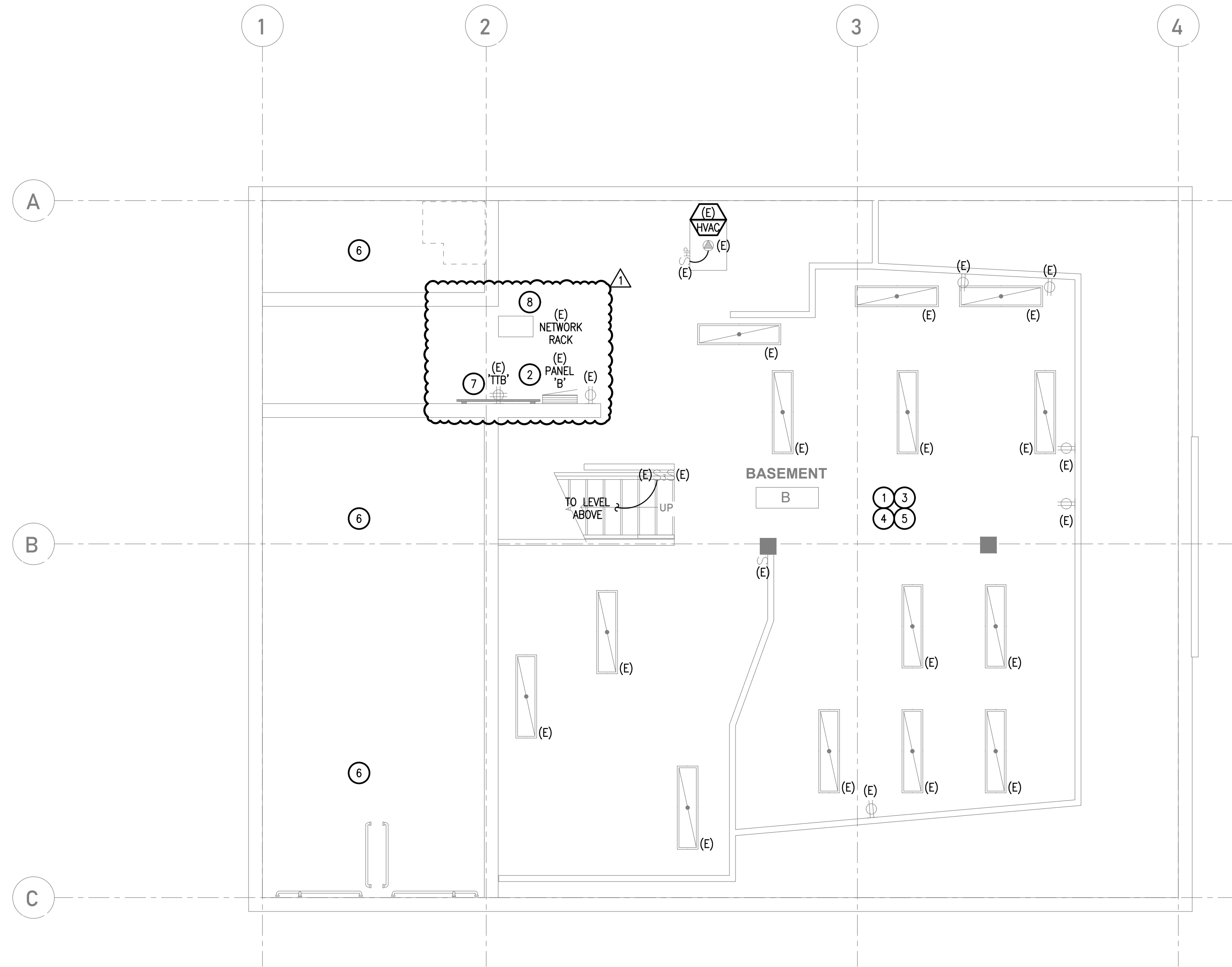
DOOR HARDWARE
DETAILS

PERMIT SET

E0.2

2026.09.04

Exhibit B



1 ELECTRICAL BASEMENT DEMO PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- COORDINATE DEMOLITION REQUIREMENTS WITH GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL ELECTRICAL EQUIPMENT DEMOLISHED WITH THIS PROJECT UNLESS OTHERWISE NOTED TO BE RETURNED TO OWNER.
- PROVIDE UPDATED TYPED PANEL SCHEDULING INDICATING "SPARES" FOR REMOVED CIRCUITS.
- REMOVE ALL ELECTRICAL ITEMS SHOWN DASHED, UNLESS OTHERWISE INDICATED REMOVE WIRE BACK TO OVERCURRENT PROTECTIVE DEVICE OR TO UPSTREAM DEVICE REMAINING. MAINTAIN CIRCUITING/CONTINUITY TO EXISTING DEVICES NOT AFFECTED BY DEMOLITION. CONCEALED CONDUIT MAY ABANDON IN PLACE. SURFACE CONDUIT NO LONGER USED SHALL BE REMOVED.
- SEE ARCHITECTURAL PLANS FOR AREAS OF GENERAL DEMOLITION. REMOVE ELECTRICAL EQUIPMENT, OUTLETS, LIGHTING FIXTURES, ETC. IN AREAS OF GENERAL DEMOLITION EXTEND AND RECONNECT CIRCUITS AS NECESSARY TO MAINTAIN POWER TO AREAS ADJACENT TO GENERAL DEMOLITION. CONNECT NEW LIGHTING AND POWER TO EXISTING CIRCUITS WHERE INDICATED ON THE PLANS.
- SEE MECHANICAL PLANS FOR MECHANICAL EQUIPMENT DEMOLITION. REMOVE CONDUIT, WIRING, CONTROLS, ETC. ASSOCIATED WITH MECHANICAL EQUIPMENT BEING DEMOLISHED. REMOVE EXPOSED CONDUIT. REMOVE WIRING BACK TO PANELBOARD(S) CAP UNUSED CONCEALED CONDUIT.
- PROVIDE EXTENSION RING, COVER PLATES OR ACCESS DOORS AS NECESSARY TO MAINTAIN ACCESS TO EXISTING WIRING, WHERE REQUIRED BY NEW CONSTRUCTION.
- FIELD VERIFY LOCATIONS OF EXISTING OUTLETS WHERE NEW CONSTRUCTION CONFLICTS WITH EXISTING CIRCUITS. REMOVE WIRING DEVICES OR RELOCATE DEVICES AS REQUIRED. WHETHER OR NOT SPECIFICALLY INDICATED.
- PROVIDE BLANK COVER PLATES ON JUNCTION BOXES WHICH ARE NOT REUSED.
- PROVIDE CUTTING AS REQUIRED, WHETHER OR NOT SPECIFICALLY INDICATED. ALL PATCHING IS TO BE DONE BY GENERAL CONTRACTOR.
- FIELD VERIFY EXISTING CIRCUITING AND MAKE ADJUSTMENTS AS NECESSARY TO CIRCUITING SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.
- IF AN ITEM IS TO BE REPLACED, THE CONTRACTORS SHALL RECONNECT ALL EXISTING CONNECTIONS.
- SOME EXISTING MECHANICAL EQUIPMENT WILL BE REUSED REMOVE/REUSE EXISTING CIRCUITS AS REQUIRED. RE: POWER PLANS FOR EXISTING MECHANICAL EQUIPMENT TO BE REUSED.

KEYED NOTES:

- APPROXIMATE LOCATION OF EXISTING POWER AND DATA ON WALL IS TO REMAIN. FIELD VERIFY EXACT LOCATION ON SITE.
- APPROXIMATE LOCATION OF EXISTING PANEL. FIELD VERIFY EXACT LOCATION ON SITE.
- APPROXIMATE LOCATION OF EXISTING LIGHT FIXTURES AND SWITCHES. FIELD VERIFY EXACT LOCATION ON SITE.
- AREA IS EXISTING TO REMAIN.
- ELECTRICAL CONTRACTOR TO IDENTIFY AND DEMO ABANDONED FIRE ALARM SYSTEM.
- ELECTRICAL CONTRACTOR TO IDENTIFY AND DEMO **ABANDONED** VISIBLE KNOB AND TUBE WIRING IN ATTIC AND BASEMENT.
Refeed associated loads with new cable
- ELECTRICAL CONTRACTOR TO DEMO EXISTING 'TTB' IN BASEMENT. DEMO ALL 25 PAIR PHONE CABLE IN BUILDING. FIELD VERIFY EXACT LOCATION OF EXISTING 'TTB' ON SITE.
- APPROXIMATE LOCATION OF EXISTING NETWORK RACK IN THIS LOCATION IS TO REMAIN. FIELD VERIFY EXACT LOCATION ON SITE.



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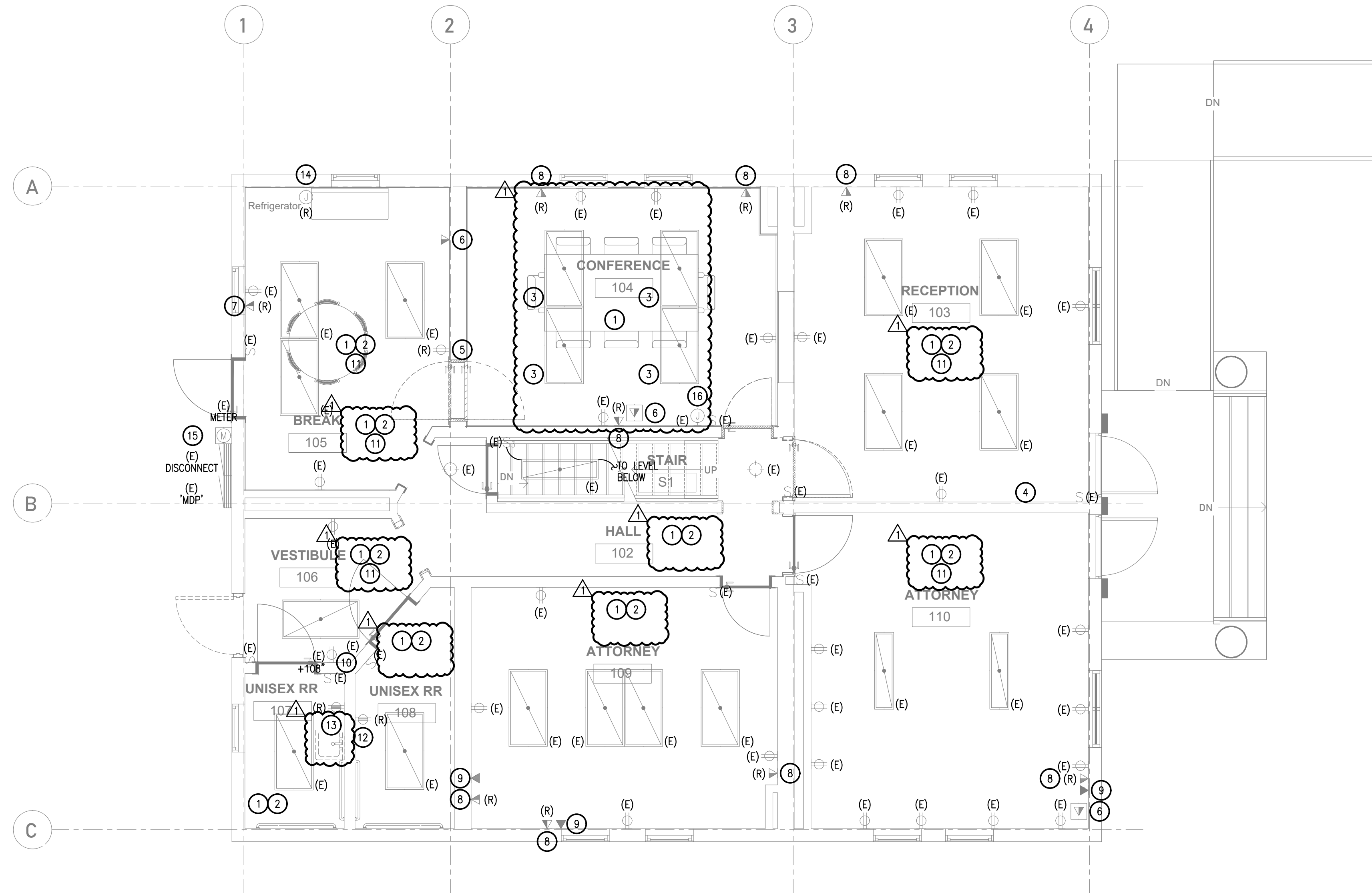
ELECTRICAL
BASEMENT DEMO
PLAN

PERMIT SET

E2.0D

2026.09.04

Exhibit B



1 ELECTRICAL FIRST FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- COORDINATE DEMOLITION REQUIREMENTS WITH GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL ELECTRICAL EQUIPMENT DEMOLISHED WITH THIS PROJECT UNLESS OTHERWISE NOTED TO BE RETURNED TO OWNER.
- PROVIDE UPDATED TYPED PANEL SCHEDULING INDICATING "SPARES" FOR REMOVED CIRCUITS.
- REMOVE ALL ELECTRICAL ITEMS SHOWN DASHED, UNLESS OTHERWISE INDICATED REMOVE WIRE BACK TO OVERCURRENT PROTECTIVE DEVICE OR TO UPSTREAM DEVICE REMAINING. MAINTAIN CIRCUITING/CONTINUITY TO EXISTING DEVICES NOT AFFECTED BY DEMOLITION. CONCEALED CONDUIT MAY ABANDON IN PLACE. SURFACE CONDUIT NO LONGER USED SHALL BE REMOVED.
- SEE ARCHITECTURAL PLANS FOR AREAS OF GENERAL DEMOLITION. REMOVE ELECTRICAL EQUIPMENT, OUTLETS, LIGHTING FIXTURES, ETC. IN AREAS OF GENERAL DEMOLITION EXTEND AND RECONNECT CIRCUITS AS NECESSARY TO MAINTAIN POWER TO AREAS ADJACENT TO GENERAL DEMOLITION. CONNECT NEW LIGHTING AND POWER TO EXISTING CIRCUITS WHERE INDICATED ON THE PLANS.
- SEE MECHANICAL PLANS FOR MECHANICAL EQUIPMENT DEMOLITION. REMOVE CONDUIT, WIRING, CONTROLS, ETC. ASSOCIATED WITH MECHANICAL EQUIPMENT BEING DEMOLISHED. REMOVE EXPOSED CONDUIT. REMOVE WIRING BACK TO PANELBOARD(S) CAP UNUSED CONCEALED CONDUIT.
- PROVIDE EXTENSION RING, COVER PLATES OR ACCESS DOORS AS NECESSARY TO MAINTAIN ACCESS TO EXISTING WIRING, WHERE REQUIRED BY NEW CONSTRUCTION.
- FIELD VERIFY LOCATIONS OF EXISTING OUTLETS WHERE NEW CONSTRUCTION CONFLICTS WITH EXISTING CIRCUITS. REMOVE WIRING DEVICES OR RELOCATE DEVICES AS REQUIRED. WHETHER OR NOT SPECIFICALLY INDICATED.
- PROVIDE BLANK COVER PLATES ON JUNCTION BOXES WHICH ARE NOT REUSED.
- PROVIDE CUTTING AS REQUIRED, WHETHER OR NOT SPECIFICALLY INDICATED. ALL PATCHING IS TO BE DONE BY GENERAL CONTRACTOR.
- FIELD VERIFY EXISTING CIRCUITING AND MAKE ADJUSTMENTS AS NECESSARY TO CIRCUITING SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.
- IF AN ITEM IS TO BE REPLACED, THE CONTRACTORS SHALL RECONNECT ALL EXISTING CONNECTIONS.
- SOME EXISTING MECHANICAL EQUIPMENT WILL BE REUSED REMOVE/REUSE EXISTING CIRCUITS AS REQUIRED. RE: POWER PLANS FOR EXISTING MECHANICAL EQUIPMENT TO BE REUSED.

KEYED NOTES:

- APPROXIMATE LOCATION OF EXISTING POWER AND DATA ON WALL IS TO REMAIN. FIELD VERIFY EXACT LOCATION ON SITE.
- APPROXIMATE LOCATION OF EXISTING LIGHT FIXTURES AND SWITCHES FIELD VERIFY EXACT LOCATION ON SITE.
- CEILING WILL BE DEMOLISHED IN CONFERENCE 104. INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW LIGHT FIXTURE LAYOUT. REFER TO SHEET E2.2 FOR NEW LIGHT FIXTURE LAYOUT.
- ELECTRICAL CONTRACTOR TO IDENTIFY AND DEMO ABANDONED FIRE ALARM SYSTEM. DEMO FIRE PULL STATION IN THIS LOCATION.
- INTERCEPT AND EXTEND EXISTING RECEPTACLE IN THIS LOCATION. EXISTING RECEPTACLE IN THIS LOCATION IS TO BE RELOCATED TO ABOVE COUNTER RECEPTACLE. REPLACE RECEPTACLE IN THIS LOCATION WITH GFI PROTECTION AND PROVIDE NEW FACEPLATE FOR RELOCATED RECEPTACLE.
- DEMO EXISTING DATA IN THE LOCATION. CONFIRM DEMOLISHING OF DATA WITH MISSOULA COUNTY PRIOR TO DEMOLISHING.
- EXISTING DATA DROP IN THIS LOCATION IS TO BE RELOCATED. RELOCATE EXISTING DATA IN THIS LOCATION REFER TO SHEET E2.1 FOR NEW DATA LOCATION.
- EXISTING DATA DROP IN THIS LOCATION IS TO BE RELOCATED INTO WALL. CONFIRM RELOCATION WITH MISSOULA COUNTY PRIOR TO RELOCATION.
- EXISTING PHONE DROP IN THIS LOCATION IS TO BE DEMOLISHED. CONFIRM DEMOLISHING WITH MISSOULA COUNTY PRIOR TO DEMOLISHING.
- POWER TO DOOR OPERATOR IN THIS LOCATION IS EXISTING. ELECTRICAL CONTRACTOR TO INTERCEPT AND EXTEND EXISTING AVAILABLE POWER TO NEW DOOR ACCESS ELECTRIC STRIKE. ELECTRICAL CONTRACTOR TO COORDINATE WITH DOOR SYSTEM PROVIDER PRIOR TO ROUGH-IN FOR COMPLETE SYSTEM INSTALLATION. REFER TO SHEET E0.2
- INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW EGRESS LIGHT FIXTURE IN THIS LOCATION.
- EXISTING RECEPTACLE IN THIS LOCATION IS TO BE REPLACE IN PLACE WITH GFI PROTECTION. PROVIDE NEW FACEPLATE FOR RECEPTACLE.
- EXISTING RECEPTACLE IN THIS LOCATION IS TO BE RELOCATED ADJACENT TO RELOCATED VANITY FOR ADA FACILITY UPGRADES.
- EXISTING EXHAUST FAN CONTROL IN THIS LOCATION IS TO BE RELOCATED. RELOCATE EXISTING EXHAUST FAN CONTROL IN THIS LOCATION REFER TO SHEET E2.1 FOR NEW THERMOSTAT LOCATION.
- APPROXIMATE LOCATION OF EXISTING PANEL. FIELD VERIFY EXACT LOCATION ON SITE.
- EXISTING THERMOSTAT IN THIS LOCATION IS TO REMAIN.



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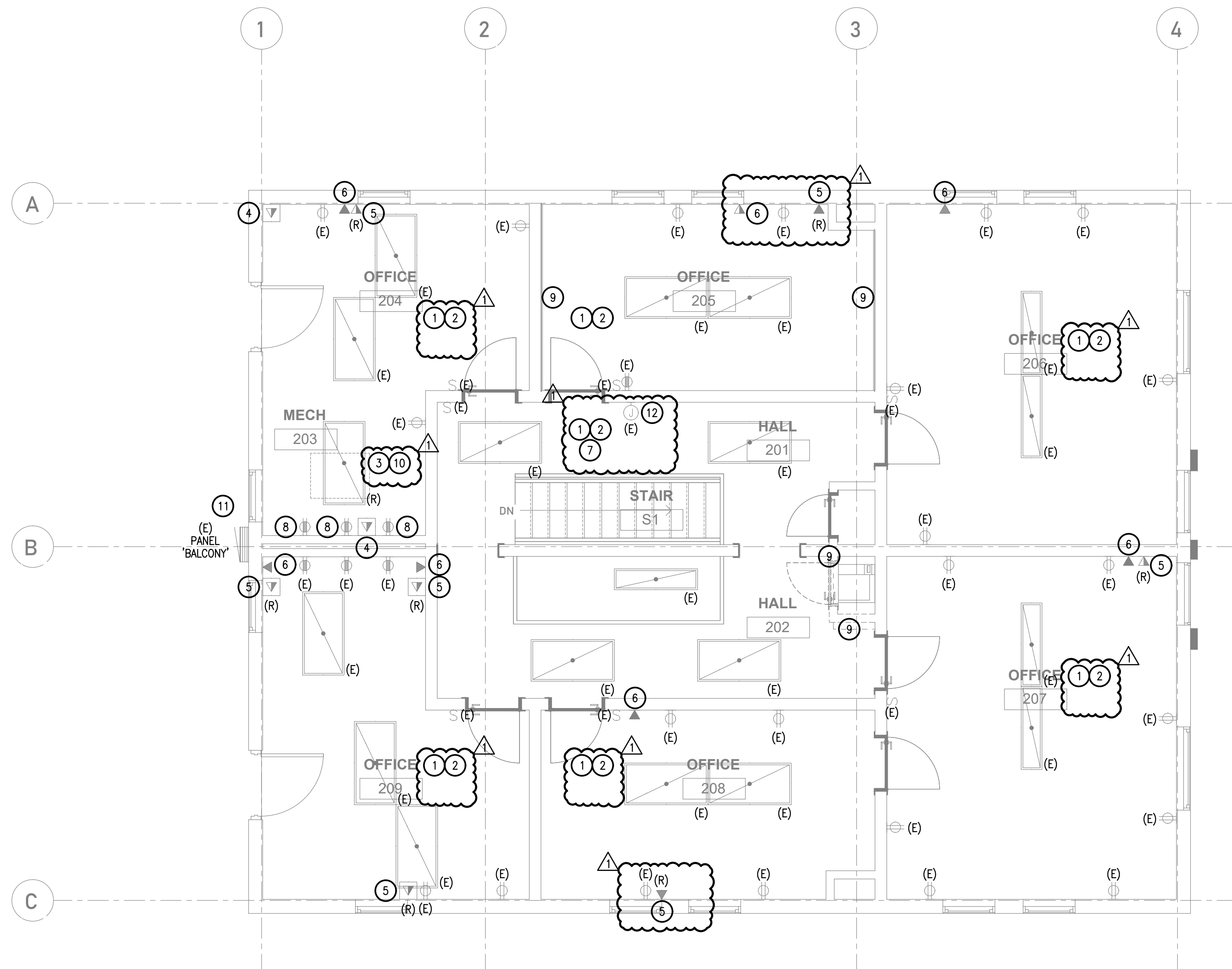
ELECTRICAL
FIRST FLOOR
DEMO PLAN

PERMIT SET

E2.1D

2026.09.04

Exhibit B



1 ELECTRICAL SECOND FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. COORDINATE DEMOLITION REQUIREMENTS WITH GENERAL CONTRACTOR.
- B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL ELECTRICAL EQUIPMENT DEMOLISHED WITH THIS PROJECT UNLESS OTHERWISE NOTED TO BE RETURNED TO OWNER.
- C. PROVIDE UPDATED TYPED PANEL SCHEDULING INDICATING "SPARES" FOR REMOVED CIRCUITS.
- D. REMOVE ALL ELECTRICAL ITEMS SHOWN DASHED, UNLESS OTHERWISE INDICATED REMOVE WIRE BACK TO OVERCURRENT PROTECTIVE DEVICE OR TO UPSTREAM DEVICE REMAINING. MAINTAIN CIRCUITING/CONTINUITY TO EXISTING DEVICES NOT AFFECTED BY DEMOLITION. CONCEALED CONDUIT MAY ABANDON IN PLACE. SURFACE CONDUIT NO LONGER USED SHALL BE REMOVED.
- E. SEE ARCHITECTURAL PLANS FOR AREAS OF GENERAL DEMOLITION. REMOVE ELECTRICAL EQUIPMENT, OUTLETS, LIGHTING FIXTURES, ETC. IN AREAS OF GENERAL DEMOLITION EXTEND AND RECONNECT CIRCUITS AS NECESSARY TO MAINTAIN POWER TO AREAS ADJACENT TO GENERAL DEMOLITION. CONNECT NEW LIGHTING AND POWER TO EXISTING CIRCUITS WHERE INDICATED ON THE PLANS.
- F. SEE MECHANICAL PLANS FOR MECHANICAL EQUIPMENT DEMOLITION. REMOVE CONDUIT, WIRING, CONTROLS, ETC. ASSOCIATED WITH MECHANICAL EQUIPMENT BEING DEMOLISHED. REMOVE EXPOSED CONDUIT. REMOVE WIRING BACK TO PANELBOARD(S) CAP UNUSED CONCEALED CONDUIT.
- G. PROVIDE EXTENSION RING, COVER PLATES OR ACCESS DOORS AS NECESSARY TO MAINTAIN ACCESS TO EXISTING WIRING, WHERE REQUIRED BY NEW CONSTRUCTION.
- H. FIELD VERIFY LOCATIONS OF EXISTING OUTLETS WHERE NEW CONSTRUCTION CONFLICTS WITH EXISTING CIRCUITS. REMOVE WIRING DEVICES OR RELOCATE DEVICES AS REQUIRED. WHETHER OR NOT SPECIFICALLY INDICATED.
- I. PROVIDE BLANK COVER PLATES ON JUNCTION BOXES WHICH ARE NOT REUSED.
- J. PROVIDE CUTTING AS REQUIRED, WHETHER OR NOT SPECIFICALLY INDICATED. ALL PATCHING IS TO BE DONE BY GENERAL CONTRACTOR.
- K. FIELD VERIFY EXISTING CIRCUITING AND MAKE ADJUSTMENTS AS NECESSARY TO CIRCUITING SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.
- L. IF AN ITEM IS TO BE REPLACED, THE CONTRACTORS SHALL RECONNECT ALL EXISTING CONNECTIONS.
- M. SOME EXISTING MECHANICAL EQUIPMENT WILL BE REUSED REMOVE/REUSE EXISTING CIRCUITS AS REQUIRED. RE: POWER PLANS FOR EXISTING MECHANICAL EQUIPMENT TO BE REUSED.

KEYED NOTES:

- 1. APPROXIMATE LOCATION OF EXISTING POWER AND DATA ON WALL IS TO REMAIN. FIELD VERIFY EXACT LOCATION ON SITE.
- 2. APPROXIMATE LOCATION OF EXISTING LIGHT FIXTURES AND SWITCHES FIELD VERIFY EXACT LOCATION ON SITE.
- 3. CEILING WILL BE DEMOLISHED IN MECH 203. INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW LIGHT FIXTURE LAYOUT. REFER TO SHEET E2.2 FOR NEW LIGHT FIXTURE LAYOUT.
- 4. DEMO EXISTING DATA IN THE LOCATION. CONFIRM DEMOLISHING OF DATA WITH MISSOULA COUNTY PRIOR TO DEMOLISHING.
- 5. EXISTING DATA DROP IN THIS LOCATION IS TO BE RELOCATED INTO WALL. CONFIRM RELOCATION WITH MISSOULA COUNTY PRIOR TO RELOCATION.
- 6. EXISTING PHONE DROP IN THIS LOCATION IS TO DEMOLISHED. CONFIRM DEMOLISHING WITH MISSOULA COUNTY PRIOR TO DEMOLISHING.
- 7. INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW EGRESS LIGHT FIXTURE IN THIS LOCATION.
- 8. INTERCEPT AND EXTEND EXISTING CIRCUIT FROM DEMOLISHED RECEPTACLES ON THIS WALL TO NEW MECHANICAL FURNACE IN THIS LOCATION.
- 9. DEMO ALL POWER AND DATA IN WALLS TO BE REMOVED.
- 10. INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW LIGHT SWITCH IN THIS LOCATION. REFER TO SHEET E2.2 FOR NEW LIGHT SWITCH LOCATION. VERIFY LIGHT SWITCH LOCATION AND LIGHT FIXTURE LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 11. APPROXIMATE LOCATION OF EXISTING PANEL. FIELD VERIFY EXACT LOCATION ON SITE.
- 12. EXISTING THERMOSTAT IN THIS LOCATION IS TO REMAIN.



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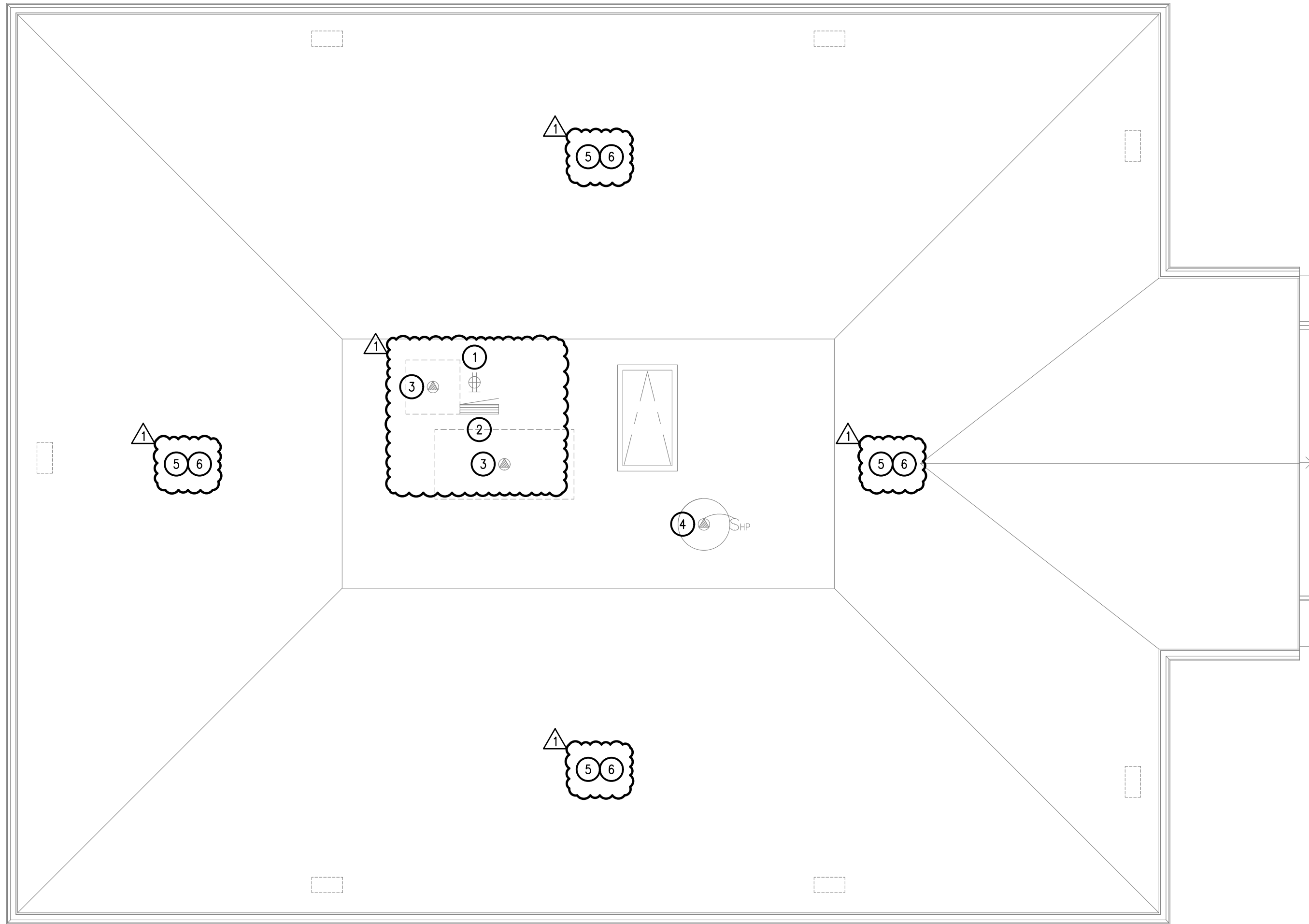
ELECTRICAL
SECOND FLOOR
DEMO PLAN

PERMIT SET

E2.2D

2026.09.04

Exhibit B



1 ELECTRICAL ROOF DEMO PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. COORDINATE DEMOLITION REQUIREMENTS WITH GENERAL CONTRACTOR.
- B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL ELECTRICAL EQUIPMENT DEMOLISHED WITH THIS PROJECT UNLESS OTHERWISE NOTED TO BE RETURNED TO OWNER.
- C. PROVIDE UPDATED TYPED PANEL SCHEDULING INDICATING "SPARES" FOR REMOVED CIRCUITS.
- D. REMOVE ALL ELECTRICAL ITEMS SHOWN DASHED, UNLESS OTHERWISE INDICATED REMOVE WIRE BACK TO OVERCURRENT PROTECTIVE DEVICE OR TO UPSTREAM DEVICE REMAINING. MAINTAIN CIRCUITING/CONTINUITY TO EXISTING DEVICES NOT AFFECTED BY DEMOLITION. CONCEALED CONDUIT MAY ABANDON IN PLACE. SURFACE CONDUIT NO LONGER USED SHALL BE REMOVED.
- E. SEE ARCHITECTURAL PLANS FOR AREAS OF GENERAL DEMOLITION. REMOVE ELECTRICAL EQUIPMENT, OUTLETS, LIGHTING FIXTURES, ETC. IN AREAS OF GENERAL DEMOLITION EXTEND AND RECONNECT CIRCUITS AS NECESSARY TO MAINTAIN POWER TO AREAS ADJACENT TO GENERAL DEMOLITION. CONNECT NEW LIGHTING AND POWER TO EXISTING CIRCUITS WHERE INDICATED ON THE PLANS.
- F. SEE MECHANICAL PLANS FOR MECHANICAL EQUIPMENT DEMOLITION. REMOVE CONDUIT, WIRING, CONTROLS, ETC. ASSOCIATED WITH MECHANICAL EQUIPMENT BEING DEMOLISHED. REMOVE EXPOSED CONDUIT. REMOVE WIRING BACK TO PANELBOARD(S) CAP UNUSED CONCEALED CONDUIT.
- G. PROVIDE EXTENSION RING, COVER PLATES OR ACCESS DOORS AS NECESSARY TO MAINTAIN ACCESS TO EXISTING WIRING, WHERE REQUIRED BY NEW CONSTRUCTION.
- H. FIELD VERIFY LOCATIONS OF EXISTING OUTLETS WHERE NEW CONSTRUCTION CONFLICTS WITH EXISTING CIRCUITS. REMOVE WIRING DEVICES OR RELOCATE DEVICES AS REQUIRED. WHETHER OR NOT SPECIFICALLY INDICATED.
- I. PROVIDE BLANK COVER PLATES ON JUNCTION BOXES WHICH ARE NOT REUSED.
- J. PROVIDE CUTTING AS REQUIRED, WHETHER OR NOT SPECIFICALLY INDICATED. ALL PATCHING IS TO BE DONE BY GENERAL CONTRACTOR.
- K. FIELD VERIFY EXISTING CIRCUITING AND MAKE ADJUSTMENTS AS NECESSARY TO CIRCUITING SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.
- L. IF AN ITEM IS TO BE REPLACED, THE CONTRACTORS SHALL RECONNECT ALL EXISTING CONNECTIONS.
- M. SOME EXISTING MECHANICAL EQUIPMENT WILL BE REUSED REMOVE/REUSE EXISTING CIRCUITS AS REQUIRED. RE: POWER PLANS FOR EXISTING MECHANICAL EQUIPMENT TO BE REUSED.

KEYED NOTES:

- 1. DEMO ALL EXISTING POWER ON THE ROOF.
- 2. DEMO EXISTING ROOF PANEL.
- 3. APPROXIMATE LOCATION OF EXISTING ROOF TOP HVAC UNIT. EXISTING ROOF TOP HVAC UNIT IN THIS LOCATION IS TO BE DEMOLISHED.
- 4. APPROXIMATE LOCATION OF EXISTING ATTIC FAN. EXISTING ATTIC FAN IS TO BE REPLACE IN PLACE. DISCONNECT THE EXISTING ATTIC FAN FEEDER DURING DEMOLISHING AND REROUTE NEW FEEDER TO BALCONY PANEL. MATCH EXISTING CONDUCTOR/ CONDUIT.
- 5. ELECTRICAL CONTRACTOR TO IDENTIFY AND DEMO ~~ABANDONED~~ VISIBLE KNOB AND TUBE WIRING IN ATTIC AND BASEMENT.
Refeed associated loads with new cable
- 6. DEMO ALL EXISTING ATTIC LIGHTING.



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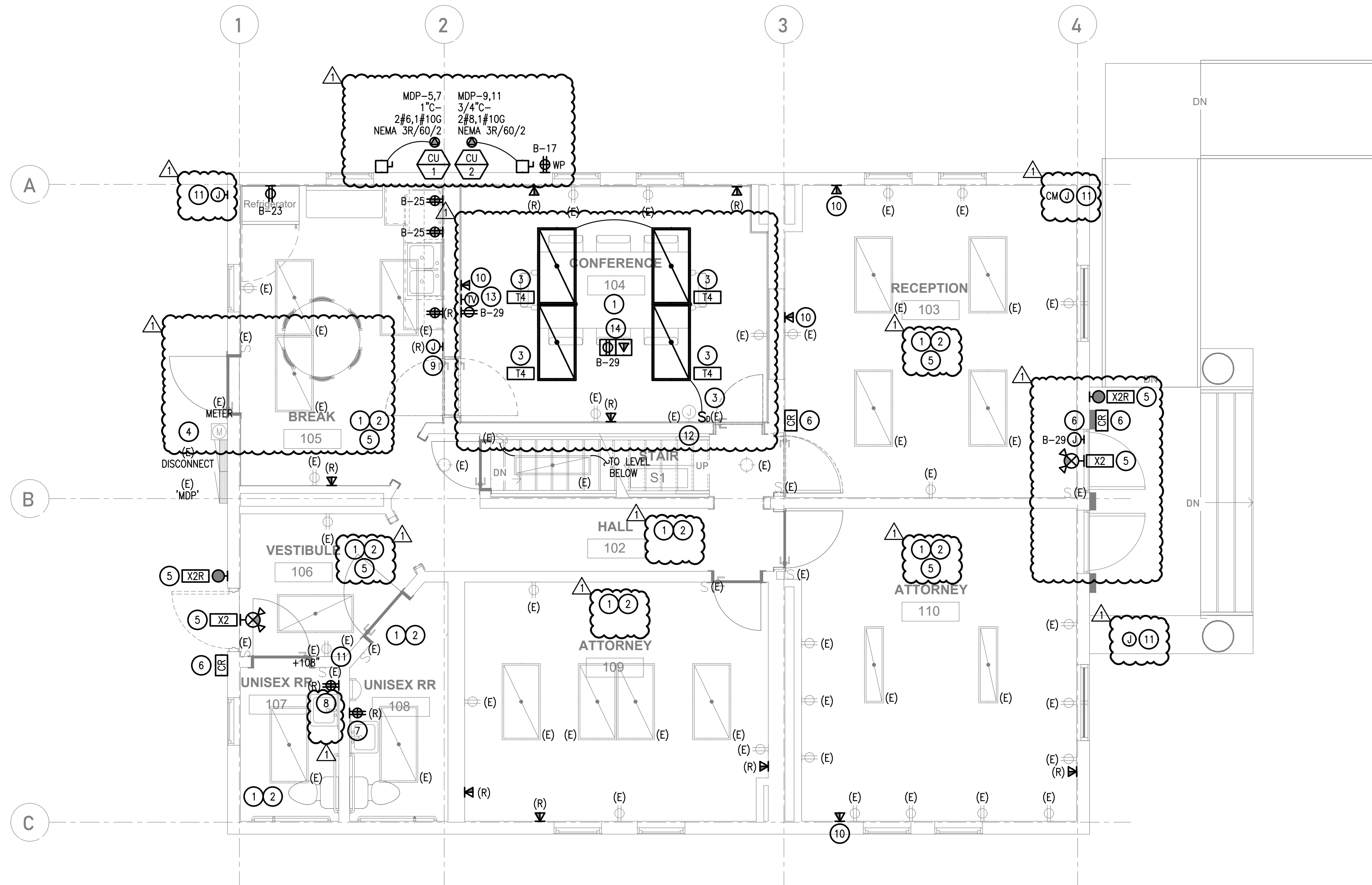
ELECTRICAL ROOF
DEMO PLAN

PERMIT SET

E2.3D

2026.09.04

Exhibit B



1 ELECTRICAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. NUMBER ADJACENT TO HOME RUN OR DEVICE INDICATES POLE POSITION WITHIN PANEL TO WHICH DEVICES SHALL BE CIRCUITED.
- B. MECHANICAL UNIT SHOWN IN APPROXIMATE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR AND MECHANICAL PLANS. MECHANICAL UNITS TO BE LOCATED TO AVOID BLOCKAGE OF EGRESS WINDOWS. COORDINATE WITH MECHANICAL AND ARCHITECTURAL CONTRACTORS AND PLANS.
- C. CONTRACTOR SHALL COORDINATE ELECTRICAL SYSTEMS INSTALLATION TO AVOID INTERFERENCE WITH DUCTWORK/PIPING AND OTHER TRADES. CONTRACTOR SHALL COORDINATE PLACEMENT OF FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATION OF FIXTURES SHALL GOVERN WHEN CONFLICTS WITH SUPPLY EXHAUST DIFFUSERS OCCUR.
- D. CONTRACTOR SHALL PROVIDE #10AWG CONDUCTORS FOR ALL CIRCUITS OF 100'-0" OR MORE UNLESS SHOWN LARGER.
- E. ALL KEYED NOTES MAY NOT APPEAR ON ALL SHEETS.
- F. REFER TO SHEET E3.0 FOR PANEL SCHEDULES.

KEYED NOTES:

- 1. APPROXIMATE LOCATION OF EXISTING POWER AND DATA ON WALL IS TO REMAIN. FIELD VERIFY EXACT LOCATION ON SITE.
- 2. APPROXIMATE LOCATION OF EXISTING LIGHT FIXTURES AND SWITCHES FIELD VERIFY EXACT LOCATION ON SITE.
- 3. INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW LIGHT SWITCH AND LIGHT FIXTURES IN THIS LOCATION. VERIFY LIGHT SWITCH LOCATION AND LIGHT FIXTURE LAYOUT WITH OWNER PRIOR TO INSTALLATION.
- 4. APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL. FIELD VERIFY EXACT LOCATION ON SITE.
- 5. INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW EGRESS LIGHT FIXTURE IN THIS LOCATION.
- 6. DOOR ACCESS CONTROL BY LOW VOLTAGE SYSTEM INSTALLER. PROVIDE JUNCTION BOX AND 3/4"CO TO ABOVE ACCESSIBLE CEILING. REFER TO SHEET E0.2 FOR TYPICAL REQUIREMENTS FOR CARD READER. FOR DOOR 103B AND 108A TO REFER TO DETAIL 1 ON SHEET E0.2. FOR DOOR 103A REFER TO DETAIL 2 ON SHEET E0.2. COORDINATE WITH MISSOULA COUNTY AND DOOR ACCESS PROVIDER PRIOR TO ROUGH IN FOR COMPLETE SYSTEM INSTALLATION.
- 7. EXISTING RECEPTACLE IN THIS LOCATION IS TO BE REPLACE IN PLACE WITH GFI PROTECTED RECEPTACLE. PROVIDE NEW FACEPLATE AND RECEPTACLE.
- 8. EXISTING RECEPTACLE IN THIS LOCATION IS TO BE RELOCATED ADJACENT TO RELOCATED VANITY FOR ADA FACILITY UPGRADES.
- 9. EXISTING EXHAUST FAN CONTROL IN THIS LOCATION IS TO BE RELOCATED. RELOCATE EXISTING EXHAUST FAN CONTROL TO THIS LOCATION AND COORDINATE ALL RELOCATION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- 10. INSTALL NEW DATA DROP IN THIS LOCATION. ANY NEW DATA SHALL BE CAT6.
- 11. PROVIDE AND INSTALL CONDUIT, J-BOX, AND PULL-STRING FOR CAMERAS. CAT6 PULLED BY CONTRACTOR. CONTRACTOR TO TERMINATE, AND TEST CAT6 CABLE. MISSOULA COUNTY TO PROVIDE CAMERAS. ALL CAT6 RUNS TO COMPLY WITH PROVIDED MISSOULA COUNTY SPECIFICATIONS. COORDINATE ALL REQUIREMENTS WITH CAMERA SUPPLIER PRIOR TO ROUGH IN.
- 12. EXISTING THERMOSTAT IN THIS LOCATION IS TO REMAIN.
- 13. TV RECEPTACLE TO HAVE A 1" CONDUIT FROM THE ACCESSIBLE SPACE IN THE BASEMENT.
- 14. ADD FLOOR BOX WITH POWER, DATA, AND HDMI PORT.

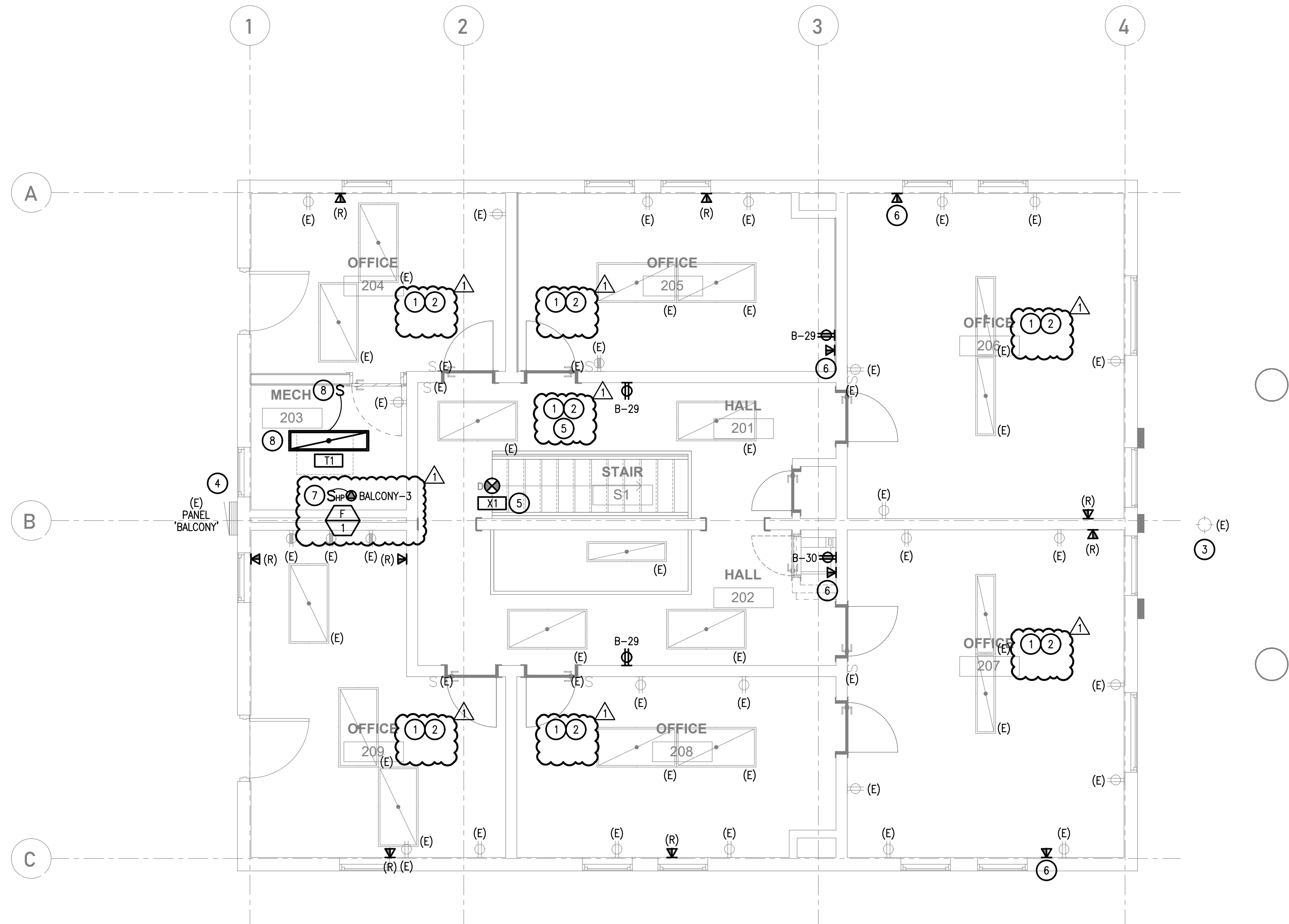


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ELECTRICAL FIRST FLOOR PLAN
PERMIT SET
E2.1
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Exhibit B



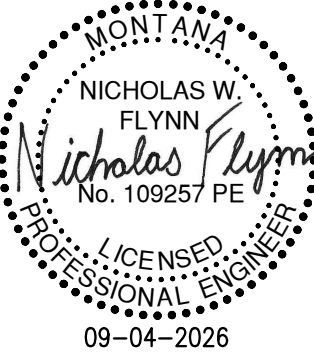
1 ELECTRICAL SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- NUMBER ADJACENT TO HOME RUN OR DEVICE INDICATES POLE POSITION WITHIN PANEL TO WHICH DEVICES SHALL BE CIRCUITED.
- MECHANICAL UNIT SHOWN IN APPROXIMATE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR AND MECHANICAL PLANS. MECHANICAL UNITS TO BE LOCATED TO AVOID BLOCKAGE OF EGRESS WINDOWS. COORDINATE WITH MECHANICAL AND ARCHITECTURAL CONTRACTORS AND PLANS.
- CONTRACTOR SHALL COORDINATE ELECTRICAL SYSTEMS INSTALLATION TO AVOID INTERFERENCE WITH DUCTWORK/PIPING AND OTHER TRADES. CONTRACTOR SHALL COORDINATE PLACEMENT OF FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATION OF FIXTURES SHALL GOVERN WHEN CONFLICTS WITH SUPPLY EXHAUST DIFFUSERS OCCUR.
- CONTRACTOR SHALL PROVIDE #10AWG CONDUCTORS FOR ALL CIRCUITS OF 100'-0" OR MORE UNLESS SHOWN LARGER.
- ALL KEYED NOTES MAY NOT APPEAR ON ALL SHEETS.
- REFER TO SHEET E3.0 FOR PANEL SCHEDULES.

KEYED NOTES:

- APPROXIMATE LOCATION OF EXISTING POWER AND DATA ON WALL IS TO REMAIN. FIELD VERIFY EXACT LOCATION ON SITE.
- APPROXIMATE LOCATION OF EXISTING LIGHT FIXTURES AND SWITCHES FIELD VERIFY EXACT LOCATION ON SITE.
- ELECTRICAL CONTRACTOR TO CONFIRM EXISTING EXTERIOR LIGHT IS OPERABLE. IF EXTERIOR LIGHT IS NOT OPERABLE REPLACE IN PLACE WITH A SIMILAR EXTERIOR LIGHT FIXTURE.
- APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL. FIELD VERIFY EXACT LOCATION ON SITE.
- INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW EGRESS LIGHT FIXTURE IN THIS LOCATION.
- INSTALL NEW DATA DROP IN THIS LOCATION. ANY NEW DATA SHALL BE CAT6.
- INTERCEPT AND EXTEND EXISTING CIRCUIT FROM DEMOLISHED RECEPTACLES ON THIS WALL TO NEW MECHANICAL FURNACE IN THIS LOCATION.
- INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT FOR NEW LIGHT SWITCH AND LIGHT FIXTURE IN THIS LOCATION. VERIFY LIGHT SWITCH LOCATION AND LIGHT FIXTURE LOCATION WITH OWNER PRIOR TO INSTALLATION.

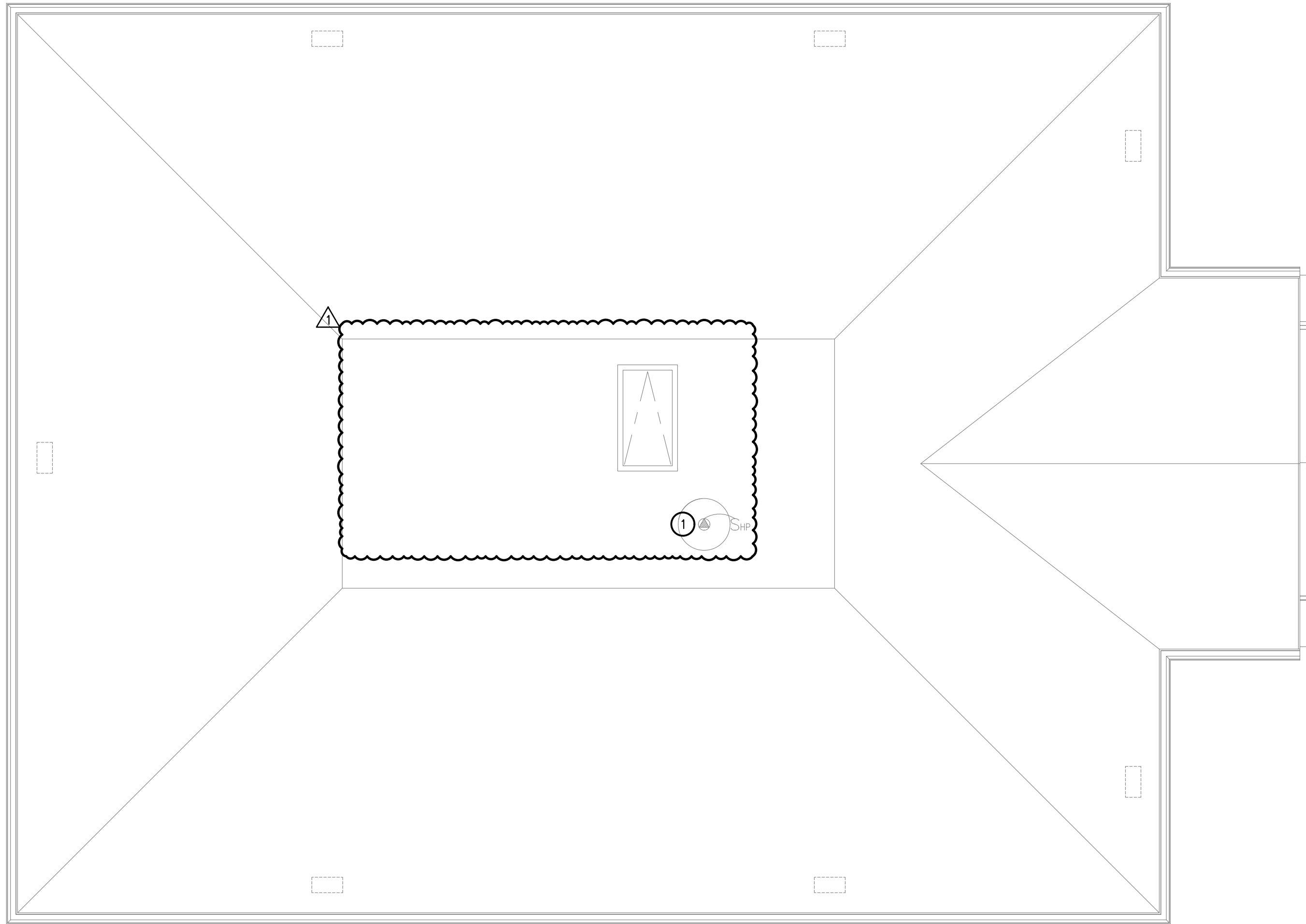


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ELECTRICAL SECOND FLOOR PLAN
PERMIT SET
E2.2
2026.09.04

Exhibit B



1 ELECTRICAL ROOF PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. NUMBER ADJACENT TO HOME RUN OR DEVICE INDICATES POLE POSITION WITHIN PANEL TO WHICH DEVICES SHALL BE CIRCUITED.
- B. MECHANICAL UNIT SHOWN IN APPROXIMATE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR AND MECHANICAL PLANS. MECHANICAL UNITS TO BE LOCATED TO AVOID BLOCKAGE OF EGRESS WINDOWS. COORDINATE WITH MECHANICAL AND ARCHITECTURAL CONTRACTORS AND PLANS.
- C. CONTRACTOR SHALL COORDINATE ELECTRICAL SYSTEMS INSTALLATION TO AVOID INTERFERENCE WITH DUCTWORK/PIPING AND OTHER TRADES. CONTRACTOR SHALL COORDINATE PLACEMENT OF FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATION OF FIXTURES SHALL GOVERN WHEN CONFLICTS WITH SUPPLY EXHAUST DIFFUSERS OCCUR.
- D. CONTRACTOR SHALL PROVIDE #10AWG CONDUCTORS FOR ALL CIRCUITS OF 100'-0" OR MORE UNLESS SHOWN LARGER.
- E. ALL KEYED NOTES MAY NOT APPEAR ON ALL SHEETS.
- F. REFER TO SHEET E3.0 FOR PANEL SCHEDULES.

KEYED NOTES:

1. APPROXIMATE LOCATION OF EXISTING ATTIC FAN. EXISTING ATTIC FAN IS TO BE REPLACE IN PLACE. DISCONNECT THE EXISTING ATTIC FAN FEEDER DURING DEMOLISHING AND REROUTE NEW FEEDER TO BALCONY PANEL. MATCH EXISTING CONDUCTOR/ CONDUIT.



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PROJECT #: Project Number

REV	DESC	DATE	PHASE	DATE
1	OWNER CHANGES	08/31/26	PRE	
			SD	
			DD	
			CD	

ELECTRICAL
ROOF PLAN

PERMIT SET

E2.3

2026.09.04

PANELBOARD SCHEDULE													
(E)PANEL: BALCONY				LOCATION:		WIRE 3		AMPERE RATING: 60A		SC RATING:		MAIN: 60A MCB	
VOLTAGE: 240/120V				PHASE: 1		MOUNTING: SURFACE		SERVICE ENTRANCE RATED: NO					
NEMA RATING: 3R				LOADS:		LOAD TYPES:		REMARKS:					
Amps				VA		5 = KITCHEN		EACH BREAKER IS TO BE UNIQUELY IDENTIFIED IN A MANNER THAT DISTINGUISHES IT FROM ALL OTHER BREAKERS					
PHASE A: 1				100		1 = LIGHTING							
PHASE B: 13				1572		2 = RECEPTACLES							
						3 = MISC							
TOTAL:				1672		4 = MOTOR							
LOAD (VA)		LOAD SERVED		NOTE		WIRE GAUGE		LOAD TYPE		AMPS POLES		LOAD SERVED	
1572		FURNANCE		E 12		3		20		1		1	
BLANK		BLANK		E 12		20		1		7		B 8	
LOADING BY TYPE		CONNECTED		NEC CODE		DEMAND FACTOR		DEMAND		NOTES:			
GUEST ROOM LIGHTING		100 VA		220-42		SEE LOAD SUMMARY		100 VA		L= DENOTES LOCKABLE BREAKER			
LIGHTING		0 VA		210-19		125%		0 VA		G= DENOTES 'GFCI' BREAKER			
RECEPTACLES		0 VA		220-44		10KVA @ 100%, ELSE @ 50%		0 VA		F= PROVIDE WITH RED MARKING, LABELING, AND BREAKER LOCK			
MISC		1572 VA		220-60		100%		1572 VA		LC= DENOTES CIRCUIT ROUTED THROUGH LIGHTING CONTACTOR			
MOTOR		LARGEST MOT:		0 VA		100% + LARGEST x 25%		0 VA		E= DENOTES EXISTING BREAKER TO REMAIN			
KITCHEN		# OF UNITS:		0 VA		TABLE 220.20		0 VA		N= DENOTES NEW BREAKER REQUIRED			
EVCS		0 VA		625-41		125%		0 VA		R= DENOTES TO REUSE EXISTING BREAKER			
TOTAL		7 A						7 A					

PANELBOARD SCHEDULE																															
(E)PANEL: B (BASEMENT)		LOCATION:		WIRE 3		AMPERE RATING: 100A		SC RATING:		MAIN: 100A MCB																					
VOLTAGE: 240/120V		PHASE 1		MOUNTING: SURFACE		SERVICE ENTRANCE RATED: NO																									
NEMA RATING: 1		LOADS:		LOAD TYPES:		REMARKS:		EACH BREAKER IS TO BE UNIQUELY IDENTIFIED IN A MANNER THAT DISTINGUISHES IT FROM ALL OTHER BREAKERS																							
		Amps		VA		5 = KITCHEN																									
		PHASE A:		17		2040		6 = EVCS																							
		PHASE B:		10		1200		7 = SUBFEEDXFMR																							
		TOTAL:		3240		3 = MISC																									
						4 = MOTOR																									
LOAD (VA)		LOAD SERVED		NOTE		WIRE GAUGE		LOADS POLES		CKY NO		PHASE		CKY NO		AMPS POLES		LOAD TYPE		WIRE GAUGE		NOTE		LOAD SERVED		LOAD (VA)					
		1ST FLOOR OUTLETS EAST		E		12		20		1		1		A		2		20		1		12		E		1ST FLOOR OUTLETS CENTER					
		1ST FLOOR OUTLETS NW		E		12		20		1		3		B		4		20		1		12		E		1ST FLOOR OUTLETS NORTH					
		1ST FLOOR SE OFFICE OUTLETS & LIGHTS		E		12		20		1		5		A		6		20		1		12		E		1ST FLOOR OUTLETS WEST					
		1ST FLOOR SE OFFICE		E		12		20		1		7		B		8		20		1		12		E		1ST FLOOR LIGHTS NW					
		BASEMENT LIGHTS SE		E		12		20		1		9		A		10		20		1		12		E		1ST FLOOR OUTLETS NW					
		BASEMENT LIGHTS NE		E		12		20		1		11		B		12		20		1		12		E		BASEMENT LIGHTS & OUTLETS SW					
		1ST FLOOR OUTLETS		E		12		20		1		13		A		14		20		1		12		E		1ST FLOOR OUTLETS SW					
		FURNANCE BASEMENT		E		12		20		1		15		B		16		20		1		12		E		1ST FLOOR OUTLETS SW					
180		OUTSIDE RECEPT NEAR MECHANICAL EQUIPMENT		R		12		2		20		1		17		A		18		20		1		12		E		1ST FLOOR OUTLETS CONFERENCE			
		COMMUNICATION		E		12		20		1		19		B		20		20		1		12		E		1ST FLOOR OUTLETS & LIGHTS NE					
		1ST FLOOR OUTLETS		E		12		20		1		21		A		22		20		1		12		E		1ST FLOOR BATHROOM					
1200		1ST FLOOR BREAK ROOM REFRIGERATOR		N		12		5		20		1		23		B		24		20		1		12		E		1ST FLOOR HALLWAY			
360		1ST FLOOR BREAK ROOM COUNTER TOPS		N		12		2		20		1		25		A		26		20		1		12		E		2ND FLOOR OUTLETS SE			
		WATER HEATER		E		12		2		20		1		27		B		28		20		1		12		E		OUTLETS NORTHEAST			
900		1ST FLOOR CONFERENCE 2ND FLOOR HALL OUTLET		R		12		2		20		1		29		A		30		20		1		12		R		2ND FLOOR HALLWAY PRINTER		600	
LOADING BY TYPE		CONNECTED		NEC CODE		DEMAND FACTOR		DEMAND		NOTES:																					
GUEST ROOM LIGHTING		0 VA		220-42		SEE LOAD SUMMARY		0 VA		L= DENOTES LOCKABLE BREAKER																					
LIGHTING		0 VA		210-19		125%		0 VA		G= DENOTES 'GFCI' BREAKER																					
RECEPTACLES		2040 VA		220-44		10KVA @ 100%, ELSE @ 50%		2040 VA		F= PROVIDE WITH RED MARKING, LABELING, AND BREAKER LOCK																					
MISC		0 VA		220-60		100%		0 VA		LC= DENOTES CIRCUIT ROUTED THROUGH LIGHTING CONTACTOR																					
MOTOR		LARGEST MOT:		0 VA		100% + LARGEST x 25%		0 VA		E= DENOTES EXISTING BREAKER TO REMAIN																					
KITCHEN		# OF UNITS:		1		TABLE 220.20		1200 VA		N= DENOTES NEW BREAKER REQUIRED																					
EVCS		0 VA		625-41		125%		0 VA		R= DENOTES TO REUSE EXISTING BREAKER																					
TOTAL				14 A				14 A																							

PANELBOARD SCHEDULE																
(E)PANEL: MDP		LOCATION:		WIRE: 3		AMPERE RATING: 125A		SC RATING:		MAIN: 125A MCB						
VOLTAGE: 240/120V		PHASE 1		MOUNTING: SURFACE		SERVICE ENTRANCE RATED: NO		REMARKS:								
NEMA RATING: 3R		LOADS:		LOAD TYPES:		5 = KITCHEN		EACH BREAKER IS TO BE UNIQUELY IDENTIFIED IN A MANNER THAT DISTINGUISHES IT FROM ALL OTHER BREAKERS								
		Amps		VA		LOAD TYPES:										
		PHASE A:		51		6168		1 = LIGHTING								
		PHASE B:		51		6168		2 = RECEPTACLES								
								3 = MISC								
		TOTAL:		12336		4 = MOTOR										
LOAD (VA)	LOAD SERVED			NOTE	WIRE GAUGE	LOAD TYPE	AMPS POLES	CR1 NO	PHASE	CR1 NO	AMPS POLES	LOAD TYPE	WIRE GAUGE	NOTE	LOAD SERVED	LOAD (VA)
	BALCONY PANEL			E	6	7	60	2	1	A	2				SPACE	
3660	CU-1 (REMODEL)			N	6	3	50	2	5	A	6				SPACE	
3660	---			N	6	3	---	7	B	8					SPACE	
2508	CU-2 (REMODEL)			N	8	3	35	2	9	A	10				SPACE	
2508	---			N	8	3	---	11	B	12					SPACE	
LOADING BY TYPE		CONNECTED		NEC CODE		DEMAND FACTOR		DEMAND		NOTES:						
GUEST ROOM LIGHTING		0 VA		220-42		SEE LOAD SUMMARY		0 VA		L=DENOTES LOCKABLE BREAKER						
LIGHTING		0 VA		210-19		125%		0 VA		G=DENOTES 'GFCI' BREAKER						
RECEPTACLES		0 VA		220-44		10KA @ 100%, ELSE @ 50%		0 VA		F= PROVIDE WITH RED MARKING, LABELING, AND BREAKER LOCK						
MISC		12336 VA		220-60		100%		12336 VA		C=NOTES: CIRCUIT TRIP FOR LIGHTING CONTACTOR						
MOTOR		LARGEST MOT: 1		0 VA		100% + LARGEST X 25%		0 VA		E=DENOTES EXISTING BREAKER TO REMAIN						
KITCHEN		# OF UNITS: 1		220-56		TABLE 220.20		0 VA		N=DENOTES NEW BREAKER REQUIRED						
EVCS		0 VA		625-41		125%		0 VA		R=DENOTES TO REUSE EXISTING BREAKER						
TOTAL		51 A						51 A								